

Converting Colors

XYZ(53.5767, 68.0072,
104.9107)

Have a look what the booklet for
XYZ(53.5767, 68.0072, 104.9107)
contains.

XYZ(53.5653, 67.9492, 104.9001)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(53.5653, 67.9492,
104.9001)**

Conversions

Conversions Part 1

Format	Color
Hex	72E7FF
RGB	114, 231, 255
RGB Percent	45%, 91%, 100%
CMY	0.5529, 0.0941, 0.0000
CMYK	0.55, 0.09, 0.00, 0.00
HSL	190°, 100%, 72%
HSV	190°, 55%, 100%
XYZ	53.5653, 67.9492, 104.9001
YIQ	198.7530, -77.4360, -17.3400

Conversions

Conversions Part 2

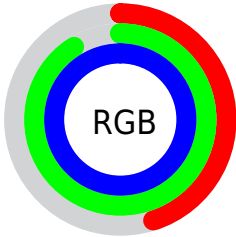
Format	Color
RYB	114, 178, 255
Decimal	7530495
CIELab	85.98, -26.57, -21.70
CIElCh	86, 34.308, 219.239
Yxy	67.9492, 0.2366, 0.3001
Android (android.graphics.Color)	4285720575 (0xFF72E7FF)
YUV	198.7530, 27.7298, -74.3284
Hunter-Lab	82.4313, -28.2624, -17.7491

Details

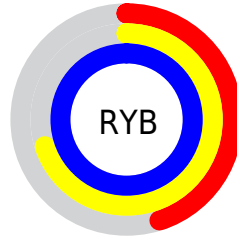
The XYZ color **53.5653, 67.9492, 104.9001** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.3665, 40.6529, 20.9556**, and the grayscale version is **54.0070, 56.8195, 61.8765**.

A 20% lighter version of the original color is **71.4892, 87.8540, 107.7974**, and **26.4779, 35.2294, 58.8305** is the 20% darker color. If you saturate the color by 10%, you get **49.4998, 64.0738, 104.3663**, and if you desaturate by 10%, it is **58.5890, 72.3662, 105.4879**.

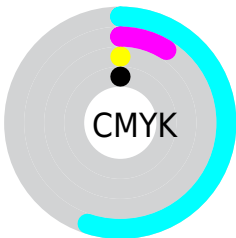
Distribution



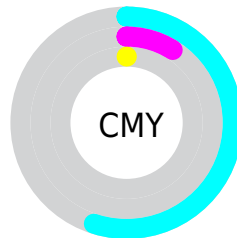
- Red (45%)
- Green (91%)
- Blue (100%)



- Red (45%)
- Yellow (70%)
- Blue (100%)



- Cyan (55%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (55%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.5653, 67.9492, 104.9001 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 53.5653, 67.9492, 104.9001 by changing the saturation by 10% instead.

53.5653, 67.9492,
104.9001

53.5653, 67.9492,
104.9001

390.6756,
453.3160, 597.1715

38.4835, 49.8564,
79.7595

94.5963, 116.2795,
169.9853

26.5371, 35.2993,
58.9954

121.2763,
147.2857, 210.7669

17.3607, 23.8935,
42.1895

152.5530,
183.3653, 257.5993

10.5889, 15.2547,
28.9230

188.7919,
224.9025, 310.9010

5.8563, 8.9983,
18.7775

230.3582,
272.2818, 371.0905

2.7978, 4.7401,
11.3344

277.6174,

1.0477, 2.0956,

325.8875, 438.5864

6.1753

330.9347,
386.1041, 513.8073

■ 0.0000, 0.6621,
2.8814

■ 0.0000, 0.0000,
1.0344

■ 53.5653, 67.9492,
104.9001

■ 53.5653, 67.9492,
104.9001

■ 49.4998, 64.0738,
104.3663

■ 58.5890, 72.3662,
105.4879

■ 46.3076, 60.6916,
103.8817

■ 64.6354, 77.3540,
106.1319

■ 43.8984, 57.7570,
103.4423

■ 71.7697, 82.9480,
106.8356

■ 42.1582, 55.2111,
103.0426

■ 80.0501, 89.1785,
107.6018

■ 41.4936, 54.1073,
102.8645

■ 89.5305, 96.0735,
108.4330

95.0500, 100.0000,
108.9000

Harmonies

Analogous

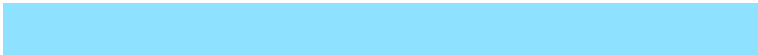
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.7783, 67.9492, 81.1584



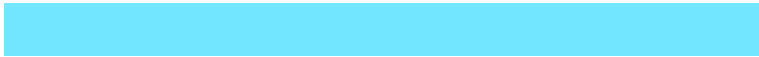
53.5653, 67.9492, 104.9001



59.3703, 67.9492, 122.3187

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



53.5653, 67.9492, 104.9001



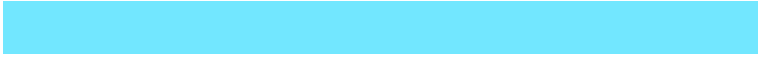
79.7807, 67.9492, 90.4227



62.1861, 67.9492, 38.9430

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



53.5653, 67.9492, 104.9001



53.3665, 40.6529, 20.9556

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.0936, 67.9492, 40.4285



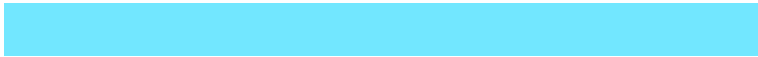
53.5653, 67.9492, 104.9001



80.6887, 67.9492, 67.2475

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



53.5653, 67.9492, 104.9001



74.6291, 67.9492, 112.8521



77.0180, 67.9492, 49.8325



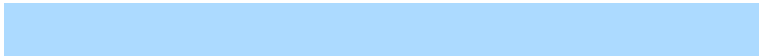
55.4827, 67.9492, 45.2563

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.5653, 67.9492, 104.9001



64.3830, 67.9492, 126.2874



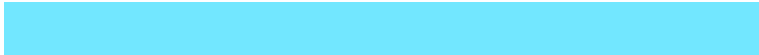
77.0180, 67.9492, 49.8325



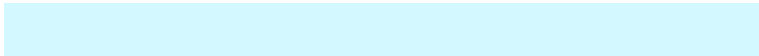
64.7847, 67.9492, 38.5803

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



53.5672, 67.9517, 104.9004



78.5519, 88.0677, 107.4664



47.2520, 76.9185, 36.2138



16.4458, 18.5758, 22.9687



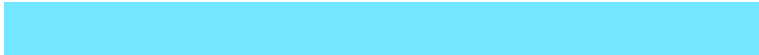
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



53.5672, 67.9517, 104.9004



49.2458, 63.8184, 104.3304



37.7359, 36.2891, 99.6233



18.2763, 19.9242, 23.1324



21.7781, 28.4659, 53.7812



2.1869, 2.9044, 5.2586

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



61.6824, 39.0658, 79.8934



58.4003, 33.5385, 75.6035



66.8340, 67.5879, 25.4448



18.6521, 18.2442, 22.0512



27.7808, 13.6016, 33.8258



2.7384, 1.3377, 3.4700

Previews

White Background



This preview shows how the XYZ color 53.5653, 67.9492, 104.9001 looks on a white background.

Color Contrast Check

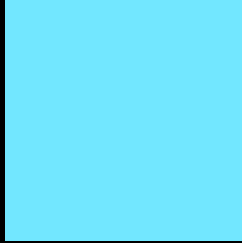
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 53.5653, 67.9492, 104.9001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

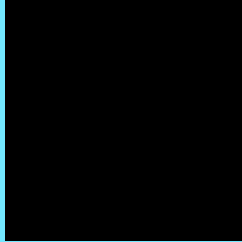
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.5653, 67.9492, 104.9001

Background



This preview shows how black text looks on a background with the XYZ color 53.5653, 67.9492, 104.9001.

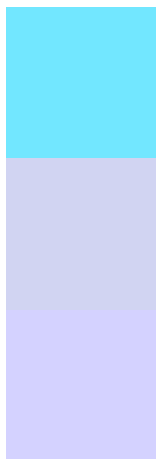


This preview shows how white text looks on a background with the XYZ color 53.5653, 67.9492,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

53.5653, 67.9492, 104.9001

Protanopia

65.8650, 67.0531, 93.4755

Deuteranopia

68.2480, 67.3102, 104.0029



Tritanopia

52.7940, 68.0601, 100.7969

Trichromacy



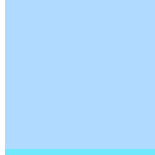
Original Color

53.5653, 67.9492, 104.9001



Protanomaly

59.5756, 66.3771, 97.6678



Deuteranomaly

61.0259, 66.5929, 104.2451



Tritanomaly

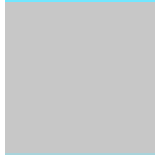
53.2374, 68.2522, 102.4636

Monochromacy



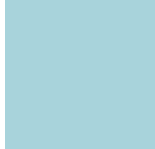
Original Color

53.5653, 67.9492, 104.9001



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

52.2289, 60.0278, 75.8516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.5653, 67.9492, 104.9001 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(114, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(114, 231, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(114, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 231, 255) }
```

Border

The CSS property to change the border of an element to XYZ 53.5653, 67.9492, 104.9001 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(114, 231, 255) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(114, 231, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(114, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(114, 231,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 53.5653, 67.9492, 104.9001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 231, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(114,  
231, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor