

Converting Colors

XYZ(54.8894, 67.1837,
109.7102)

Have a look what the booklet for
XYZ(54.8894, 67.1837, 109.7102)
contains.

XYZ(53.9618, 66.9178, 104.6801)	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(53.9618, 66.9178,
104.6801)**

Conversions

Conversions Part 1

Format	Color
Hex	7BE4FF
RGB	123, 228, 255
RGB Percent	48%, 89%, 100%
CMY	0.5176, 0.1059, 0.0000
CMYK	0.52, 0.11, 0.00, 0.00
HSL	192°, 100%, 74%
HSV	192°, 52%, 100%
XYZ	53.9618, 66.9178, 104.6801
YIQ	199.6830, -71.2470, -13.8630

Conversions

Conversions Part 2

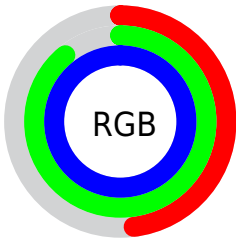
Format	Color
RYB	123, 181, 255
Decimal	8119551
CIELab	85.46, -23.32, -22.46
CIELCh	85, 32.375, 223.921
Yxy	66.9178, 0.2392, 0.2967
Android (android.graphics.Color)	4286309631 (0xFF7BE4FF)
YUV	199.6830, 27.2713, -67.2510
Hunter-Lab	81.8033, -25.4077, -18.6085

Details

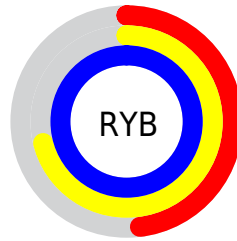
The XYZ color **53.9618, 66.9178, 104.6801** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **55.7223, 44.5037, 24.3941**, and the grayscale version is **54.5758, 57.4180, 62.5282**.

A 20% lighter version of the original color is **73.3384, 88.8073, 107.8839**, and **26.6905, 34.4818, 58.6750** is the 20% darker color. If you saturate the color by 10%, you get **49.3650, 62.4515, 104.0603**, and if you desaturate by 10%, it is **59.5555, 71.9652, 105.3595**.

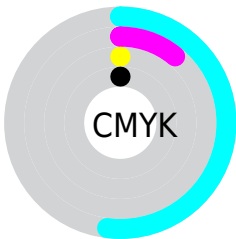
Distribution



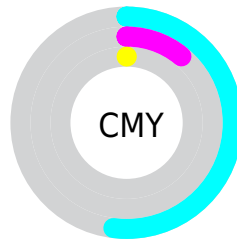
- Red (48%)
- Green (89%)
- Blue (100%)



- Red (48%)
- Yellow (71%)
- Blue (100%)



- Cyan (52%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (52%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.9618, 66.9178, 104.6801 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 53.9618, 66.9178, 104.6801 by changing the saturation by 10% instead.

53.9618, 66.9178,
104.6801

53.9618, 66.9178,
104.6801

392.1651,
449.6521, 596.4699

38.8017, 49.0178,
79.5762

95.1754, 114.8026,
169.6817

26.7855, 34.6336,
58.8456

121.9595,
145.5563, 210.4166

17.5479, 23.3808,
42.0696

153.3491,
181.3632, 257.1988

10.7236, 14.8749,
28.8298

189.7094,
222.6080, 310.4470

5.9472, 8.7317,
18.7077

231.4058,
269.6748, 370.5796

2.8534, 4.5666,
11.2846

278.8036,

1.0767, 1.9953,

322.9482, 438.0153

6.1420

332.2682,
382.8125, 513.1726

■ 0.0055, 0.6047,
2.8614

■ 0.0000, 0.0000,
1.0243

■ 53.9618, 66.9178,
104.6801

■ 53.9618, 66.9178,
104.6801

■ 49.3650, 62.4515,
104.0603

■ 59.5555, 71.9652,
105.3595

■ 45.6837, 58.5195,
103.4953

■ 66.2081, 77.6218,
106.1007

■ 42.8326, 55.0785,
102.9814

■ 73.9832, 83.9224,
106.9071

■ 40.7066, 52.0739,
102.5136

■ 82.9374, 90.8968,
107.7813

■ 39.3695, 49.8590,
102.1565

■ 93.1235, 98.5726,
108.7260

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.



50.8545, 66.9178, 83.0343



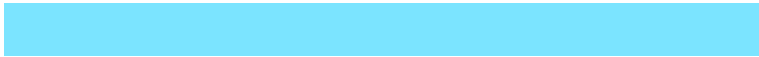
53.9618, 66.9178, 104.6801



59.7708, 66.9178, 119.0557

Triad

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



53.9618, 66.9178, 104.6801



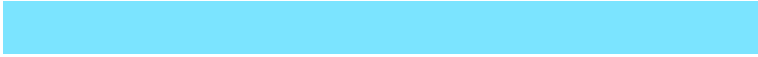
78.1645, 66.9178, 84.6505



60.2652, 66.9178, 40.2276

Complementary

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



53.9618, 66.9178, 104.6801



55.7223, 44.5037, 24.3941

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.



67.5963, 66.9178, 40.4935



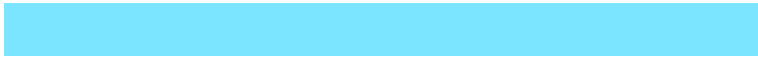
53.9618, 66.9178, 104.6801



78.3225, 66.9178, 63.5565

Square

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



53.9618, 66.9178, 104.6801



73.9134, 66.9178, 106.0579



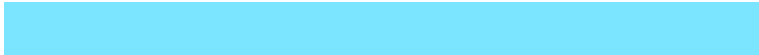
74.3300, 66.9178, 48.2490



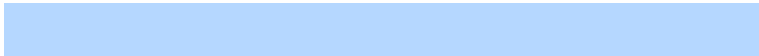
54.2997, 66.9178, 47.4350

Rectangle

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



53.9618, 66.9178, 104.6801



64.5741, 66.9178, 121.1317



74.3300, 66.9178, 48.2490



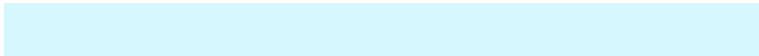
62.6424, 66.9178, 39.4961

Sweetspot

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



53.9637, 66.9202, 104.6805



78.9954, 87.8571, 107.4024



49.3865, 77.9143, 41.0396



16.5152, 18.4986, 22.9501



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.



53.9637, 66.9202, 104.6805



49.2672, 62.3520, 104.0462



39.2463, 37.4855, 99.7747



18.2208, 19.8133, 23.1140



20.6815, 26.2727, 53.4157



2.0896, 2.7098, 5.2262

Inverse Universe

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



62.3278, 41.0291, 78.0358



58.7795, 35.1005, 73.2520



69.2184, 71.4960, 28.8928



18.6241, 18.2330, 21.9037



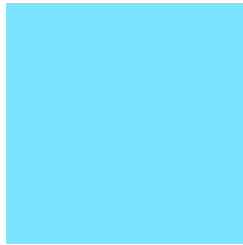
27.2273, 13.3802, 30.9110



2.6893, 1.3181, 3.2114

Previews

White Background



This preview shows how the XYZ color 53.9618, 66.9178, 104.6801 looks on a white background.

Color Contrast Check

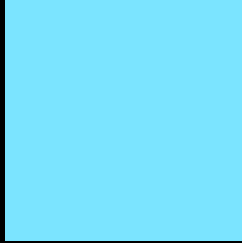
Large Text (above 18pt) WCAG AA × Fail

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 53.9618, 66.9178, 104.6801 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 53.9618, 66.9178, 104.6801

Background



This preview shows how black text looks on a background with the XYZ color 53.9618, 66.9178, 104.6801.

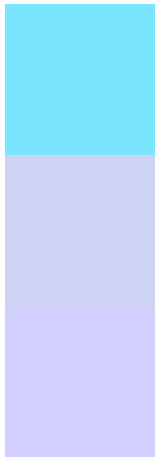


This preview shows how white text looks on a background with the XYZ color 53.9618, 66.9178,

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

53.9618, 66.9178, 104.6801

Protanopia

65.2041, 66.3250, 94.1594

Deuteranopia

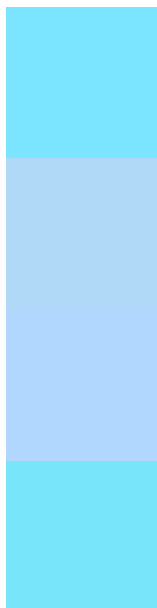
67.1842, 66.0334, 103.8125



Tritanopia

52.7083, 66.8090, 98.9243

Trichromacy



Original Color

53.9618, 66.9178, 104.6801

Protanomaly

59.5059, 65.5712, 97.5159

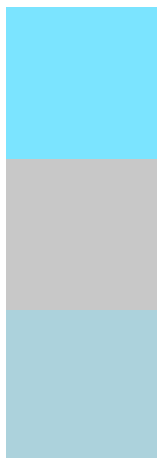
Deuteranomaly

60.7105, 65.2859, 104.0094

Tritanomaly

53.3171, 67.0686, 101.4022

Monochromacy



Original Color

53.9618, 66.9178, 104.6801

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

52.9781, 60.0311, 76.5051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.9618, 66.9178, 104.6801 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(123, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(123, 228, 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(123, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 228, 255) }
```

Border

The CSS property to change the border of an element to XYZ 53.9618, 66.9178, 104.6801 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(123, 228, 255) }
```


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

```
.border{ border-color:rgb(123, 228, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(123, 228,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 53.9618, 66.9178, 104.6801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 228, 255) }
```

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

```
.background{ background-color: rgb(123,  
228, 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