

Converting Colors

XYZ(53.2426, 69.4691,
105.2104)

Have a look what the booklet for
XYZ(53.2426, 69.4691, 105.2104)
contains.

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Color

**XYZ(53.2378, 69.4614,
105.2092)**

Conversions

Conversions Part 1

Format	Color
Hex	66EBFF
RGB	102, 235, 255
RGB Percent	40%, 92%, 100%
CMY	0.6000, 0.0784, 0.0000
CMYK	0.60, 0.08, 0.00, 0.00
HSL	188°, 100%, 70%
HSV	188°, 60%, 100%
XYZ	53.2378, 69.4614, 105.2092
YIQ	197.5130, -85.6880, -21.9760

Conversions

Conversions Part 2

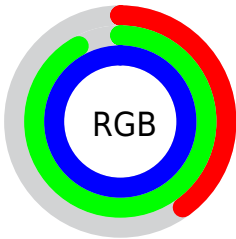
Format	Color
RYB	102, 173, 255
Decimal	6745087
CIELab	86.73, -30.65, -20.60
CIELCh	87, 36.932, 213.904
Yxy	69.4614, 0.2336, 0.3048
Android (android.graphics.Color)	4284935167 (0xFF66EBFF)
YUV	197.5130, 28.3411, -83.7649
Hunter-Lab	83.3435, -31.8297, -16.5047

Details

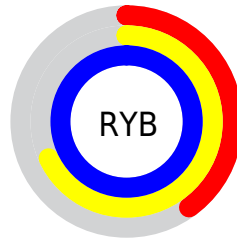
The XYZ color **53.2378, 69.4614, 105.2092** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.5988, 36.1397, 16.8813**, and the grayscale version is **53.2542, 56.0276, 61.0140**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **26.3257, 36.3239, 59.0498** is the 20% darker color. If you saturate the color by 10%, you get **49.8350, 66.3053, 104.7794**, and if you desaturate by 10%, it is **57.5508, 73.1163, 105.6873**.

Distribution



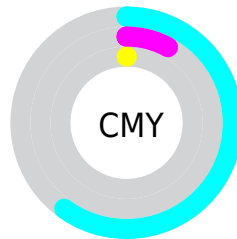
- Red (40%)
- Green (92%)
- Blue (100%)



- Red (40%)
- Yellow (68%)
- Blue (100%)



- Cyan (60%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.2378, 69.4614, 105.2092 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 53.2378, 69.4614, 105.2092 by changing the saturation by 10% instead.

53.2378, 69.4614,
105.2092

53.2378, 69.4614,
105.2092

389.4427,
458.6566, 598.1566

38.2209, 51.0876,
80.0170

94.1177, 118.4404,
170.4117

26.3322, 36.2783,
59.2061

120.7113,
149.8143, 211.2590

17.2063, 24.6492,
42.3579

151.8946,
186.2903, 258.1618

10.4779, 15.8159,
29.0540

188.0328,
228.2529, 311.5386

5.7816, 9.3940,
18.8758

229.4914,
276.0864, 371.8079

2.7521, 4.9990,
11.4046

276.6357,

1.0241, 2.2467,

330.1753, 439.3883

6.2221

329.8310,
390.9039, 514.6984

■ 0.0000, 0.7453,
2.9096

■ 0.0000, 0.0000,
1.0487

■ 53.2378, 69.4614,
105.2092

■ 53.2378, 69.4614,
105.2092

■ 49.8350, 66.3053,
104.7794

■ 57.5508, 73.1163,
105.6873

■ 47.2520, 63.5968,
104.3927

■ 62.8422, 77.3007,
106.2161

■ 45.3900, 61.2862,
104.0448

■ 69.1800, 82.0514,
106.7991

■ 44.0843, 59.2884,
103.7281

■ 76.6246, 87.3996,
107.4390

■ 44.0839, 59.2878,
103.7280

■ 85.2317, 93.3742,
108.1386

95.0500, 100.0000,
108.9000

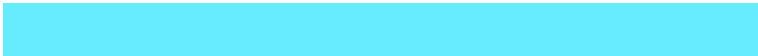
Harmonies

Analogous

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



50.8736, 69.4614, 78.8987



53.2378, 69.4614, 105.2092



59.0180, 69.4614, 126.5704

Triad

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



53.2378, 69.4614, 105.2092



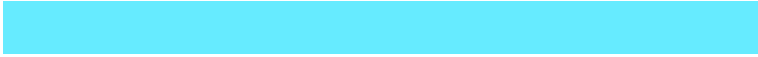
81.9949, 69.4614, 98.4088



64.9026, 69.4614, 37.5699

Complementary

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



53.2378, 69.4614, 105.2092



50.5988, 36.1397, 16.8813

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.



73.5571, 69.4614, 40.6043



53.2378, 69.4614, 105.2092



83.9111, 69.4614, 72.4560

Square

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



53.2378, 69.4614, 105.2092



75.6707, 69.4614, 122.0841



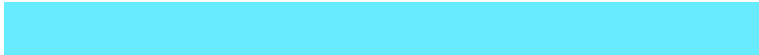
80.7023, 69.4614, 52.1926



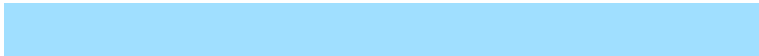
57.2286, 69.4614, 42.7694

Rectangle

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



53.2378, 69.4614, 105.2092



64.2823, 69.4614, 133.1005



80.7023, 69.4614, 52.1926



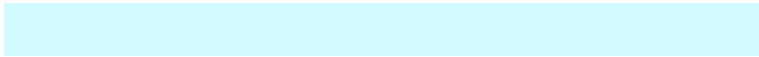
67.7908, 69.4614, 37.6690

Sweetspot

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



53.2397, 69.4639, 105.2096



78.2487, 88.5417, 107.5739



44.6219, 75.6978, 29.9832



16.2452, 18.5971, 22.9833



0.0000, 0.0000, 0.0000



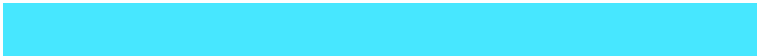
20.3446, 21.4041, 23.3091

Same Dimension

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



53.2397, 69.4639, 105.2096



49.2547, 65.7282, 104.6986



36.2151, 35.4146, 99.5347



18.3404, 20.0525, 23.1538



23.1138, 31.1371, 54.2264



2.3044, 3.1396, 5.2978

Inverse Universe

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



60.9881, 36.7627, 82.4814



57.9430, 31.5872, 78.6465



63.4583, 61.8588, 21.1678



18.6845, 18.2571, 22.2216



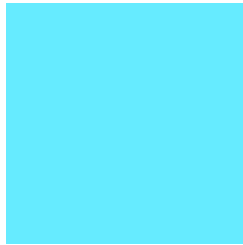
28.4550, 13.8713, 37.3759



2.7978, 1.3615, 3.7825

Previews

White Background



This preview shows how the XYZ color 53.2378, 69.4614, 105.2092 looks on a white background.

Color Contrast Check

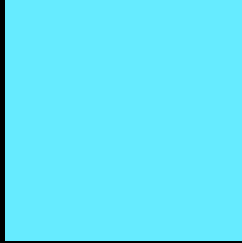
Large Text (above 18pt) WCAG AA × Fail

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 53.2378, 69.4614, 105.2092 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 53.2378, 69.4614, 105.2092

Background



This preview shows how black text looks on a background with the XYZ color 53.2378, 69.4614, 105.2092.

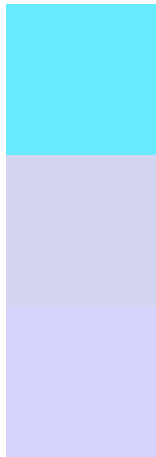


This preview shows how white text looks on a background with the XYZ color 53.2378, 69.4614,

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

53.2378, 69.4614, 105.2092

Protanopia

67.0751, 68.4411, 92.8943

Deuteranopia

69.3686, 68.2556, 104.1263



Tritanopia

53.0772, 69.3972, 104.3635

Trichromacy



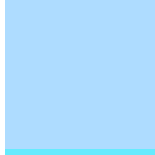
Original Color

53.2378, 69.4614, 105.2092



Protanomaly

59.7691, 67.6670, 97.0997



Deuteranomaly

61.0988, 67.4051, 104.3980



Tritanomaly

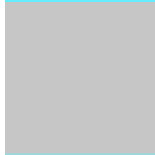
53.0772, 69.3972, 104.3635

Monochromacy



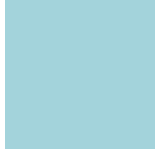
Original Color

53.2378, 69.4614, 105.2092



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

51.1847, 59.4895, 75.8027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.2378, 69.4614, 105.2092 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(102, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 235, 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(102, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 235, 255) }
```

Border

The CSS property to change the border of an element to XYZ 53.2378, 69.4614, 105.2092 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(102, 235, 255) }
```


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

```
.border{ border-color:rgb(102, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 235,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 53.2378, 69.4614, 105.2092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 235, 255) }
```

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

```
.background{ background-color: rgb(102,  
235, 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](#).

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