

Converting Colors

XYZ(57.5321, 66.0099,
120.9001)

Have a look what the booklet for
XYZ(57.5321, 66.0099, 120.9001)
contains.

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Color

**XYZ(54.3246, 64.6968,
104.2323)**

Conversions

Conversions Part 1

Format	Color
Hex	88DEFF
RGB	136, 222, 255
RGB Percent	53%, 87%, 100%
CMY	0.4666, 0.1294, 0.0000
CMYK	0.47, 0.13, 0.00, 0.00
HSL	197°, 100%, 77%
HSV	197°, 47%, 100%
XYZ	54.3246, 64.6968, 104.2323
YIQ	200.0480, -61.8490, -7.9690

Conversions

Conversions Part 2

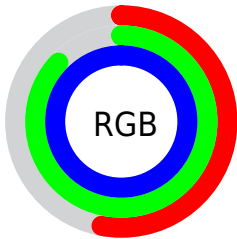
Format	Color
R_{YB}	136, 186, 255
Decimal	8969983
CIE _{Lab}	84.33, -17.50, -24.13
CIE _{LCh}	84, 29.811, 234.050
Yxy	64.6968, 0.2433, 0.2898
Android (android.graphics.Color)	4287160063 (0xFF88DEFF)
YUV	200.0480, 27.0913, -56.1701
Hunter-Lab	80.4343, -20.2028, -20.5280

Details

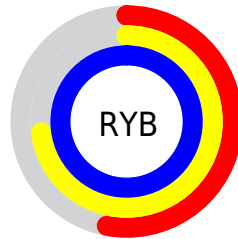
The XYZ color **54.3246, 64.6968, 104.2323** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **59.8725, 51.4142, 30.0628**, and the grayscale version is **54.7967, 57.6504, 62.7813**.

A 20% lighter version of the original color is **76.3157, 90.3421, 108.0232**, and **26.9923, 33.2511, 58.4216** is the 20% darker color. If you saturate the color by 10%, you get **48.8267, 59.1341, 103.4483**, and if you desaturate by 10%, it is **60.8899, 70.9296, 105.0893**.

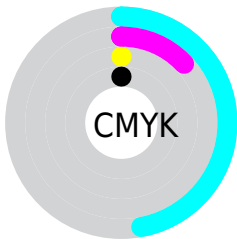
Distribution



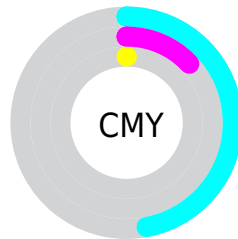
- Red (53%)
- Green (87%)
- Blue (100%)



- Red (53%)
- Yellow (73%)
- Blue (100%)



- Cyan (47%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 54.3246, 64.6968, 104.2323 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 54.3246, 64.6968, 104.2323 by changing the saturation by 10% instead.

■ 54.3246, 64.6968,
104.2323

■ 54.3246, 64.6968,
104.2323

393.5248,
441.7016, 595.0404

■ 39.0929, 47.2153,
79.2033

■ 95.7048, 111.6138,
169.0637

■ 27.0131, 33.2059,
58.5407

■ 122.5840,
141.8181, 209.7031

■ 17.7197, 22.2842,
41.8259

154.0765,
177.0321, 256.3831

■ 10.8474, 14.0659,
28.6404

190.5475,
217.6402, 309.5222

■ 6.0308, 8.1665,
18.5657

232.3625,
264.0268, 369.5390

■ 2.9047, 4.2017,
11.1833

279.8869,

■ 1.1036, 1.7870,

316.5763, 436.8519

6.0745

333.4858,
375.6731, 511.8795

■ 0.0281, 0.4791,
2.8209

■ 0.0000, 0.0000,
1.0039

■ 54.3246, 64.6968,
104.2323

■ 54.3246, 64.6968,
104.2323

■ 48.8267, 59.1341,
103.4483

■ 60.8899, 70.9296,
105.0893

■ 44.3190, 54.1959,
102.7327

■ 68.5822, 77.8602,
106.0216

■ 40.7216, 49.8411,
102.0818

■ 77.4627, 85.5231,
107.0326

■ 37.9394, 46.0192,
101.4907

■ 87.5866, 93.9480,
108.1252

■ 35.8524, 42.6667, 95.0500, 100.0000,
100.9536 108.9000

■ 35.2509, 41.6218,
100.7836

Harmonies

Analogous

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



50.5950, 64.6968, 86.3536



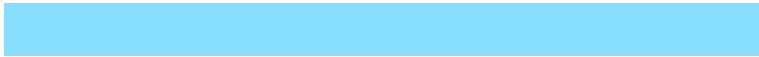
54.3246, 64.6968, 104.2323



60.1836, 64.6968, 113.2324

Triad

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



54.3246, 64.6968, 104.2323



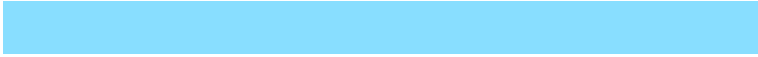
75.0280, 64.6968, 74.2868



56.4539, 64.6968, 42.1446

Complementary

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



54.3246, 64.6968, 104.2323



59.8725, 51.4142, 30.0628

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.



62.8200, 64.6968, 40.0738



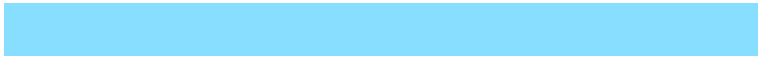
54.3246, 64.6968, 104.2323



73.8518, 64.6968, 56.6190

Square

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



54.3246, 64.6968, 104.2323



72.3725, 64.6968, 94.0617



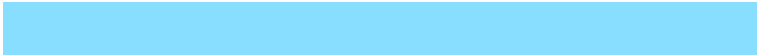
69.2644, 64.6968, 44.8822



51.7613, 64.6968, 51.1526

Rectangle

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



54.3246, 64.6968, 104.2323



64.6317, 64.6968, 112.0108



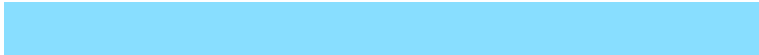
69.2644, 64.6968, 44.8822



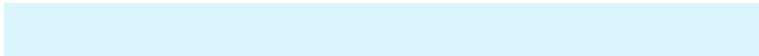
58.4564, 64.6968, 40.6903

Sweetspot

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



54.3264, 64.6992, 104.2326



80.0366, 87.6924, 107.3157



52.9576, 79.5720, 49.4853



16.6836, 18.3929, 22.9208



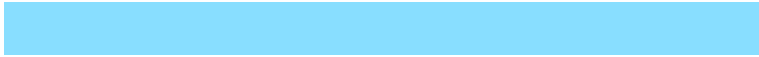
0.0000, 0.0000, 0.0000



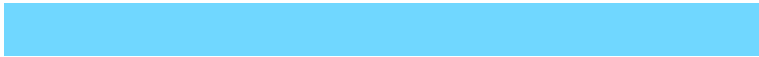
20.3446, 21.4041, 23.3091

Same Dimension

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



54.3264, 64.6992, 104.2326



49.1607, 59.4841, 103.4983



41.4386, 38.9236, 99.9367



18.1040, 19.5797, 23.0750



18.5513, 22.0121, 52.7056



1.8981, 2.3270, 5.1624

Inverse Universe

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



63.2302, 44.1439, 74.2978



59.3738, 37.8196, 68.7322



73.2176, 78.1043, 34.5111



18.5652, 18.2094, 21.5933



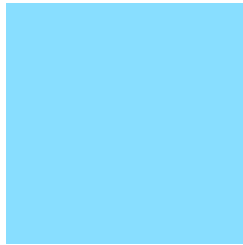
26.1520, 12.9501, 25.2488



2.5927, 1.2795, 2.7026

Previews

White Background



This preview shows how the XYZ color 54.3246, 64.6968, 104.2323 looks on a white background.

Color Contrast Check

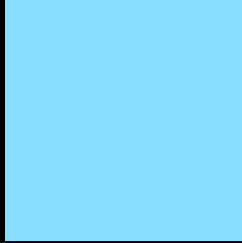
Large Text (above 18pt) WCAG AA × Fail

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 54.3246, 64.6968, 104.2323 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 54.3246, 64.6968, 104.2323

Background



This preview shows how black text looks on a background with the XYZ color 54.3246, 64.6968, 104.2323.

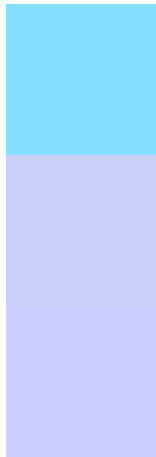


This preview shows how white text looks on a background with the XYZ color 54.3246, 64.6968,

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

54.3246, 64.6968, 104.2323

Protanopia

63.3944, 64.2609, 95.4485

Deuteranopia

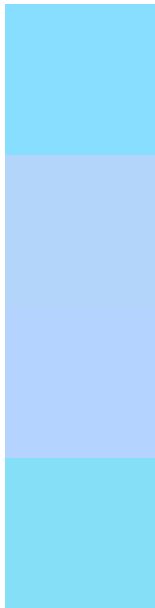
65.0582, 63.8618, 103.5054



Tritanopia

52.1984, 64.6276, 93.7276

Trichromacy



Original Color

54.3246, 64.6968, 104.2323

Protanomaly

59.2532, 63.8930, 98.8321

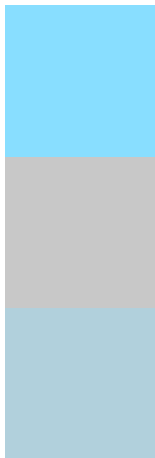
Deuteranomaly

60.1667, 63.5118, 103.6956

Tritanomaly

52.8490, 64.4773, 97.6556

Monochromacy



Original Color

54.3246, 64.6968, 104.2323

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

53.6056, 59.6262, 76.3938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.3246, 64.6968, 104.2323 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(136, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(136, 222, 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(136, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 222, 255) }
```

Border

The CSS property to change the border of an element to XYZ 54.3246, 64.6968, 104.2323 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(136, 222, 255) }
```


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

```
.border{ border-color:rgb(136, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 222, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 222, 255); box-shadow:4px 4px 4px 4px rgb(136, 222, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 54.3246, 64.6968, 104.2323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 222, 255) }
```

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

```
.background{ background-color: rgb(136,  
222, 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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