

# Converting Colors

XYZ(54.5506, 64.6014, 95.9804)

Have a look what the booklet for  
XYZ(54.5506, 64.6014, 95.9804)  
contains.

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# **Color**

**XYZ(54.5506, 64.6014,  
95.9804)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94DDF5
RGB	148, 221, 245
RGB Percent	58%, 87%, 96%
CMY	0.4196, 0.1333, 0.0392
CMYK	0.40, 0.10, 0.00, 0.04
HSL	195°, 83%, 77%
HSV	195°, 40%, 96%
XYZ	54.5506, 64.6014, 95.9804
YIQ	201.9090, -51.2120, -8.0120

# Conversions

## Conversions Part 2

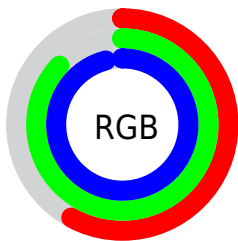
Format	Color
R <sub>Y</sub> B	148, 190, 245
Decimal	9756149
CIE Lab	84.28, -16.71, -18.87
CIE LCh	84, 25.210, 228.472
Yxy	64.6014, 0.2536, 0.3003
Android (android.graphics.Color)	4287946229 (0xFF94DDF5)
YUV	201.9090, 21.2439, -47.2782
Hunter-Lab	80.3750, -19.5081, -14.5391

# Details

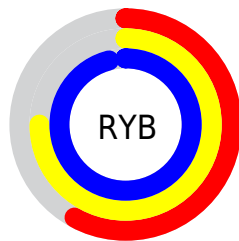
The XYZ color **54.5506, 64.6014, 95.9804** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.7551, 51.0566, 34.8295**, and the grayscale version is **55.9786, 58.8938, 64.1354**.

A 20% lighter version of the original color is **78.9868, 91.7191, 108.1483**, and **27.2352, 33.2219, 53.1211** is the 20% darker color. If you saturate the color by 10%, you get **49.0081, 59.4125, 95.2721**, and if you desaturate by 10%, it is **61.0927, 70.3944, 96.7549**.

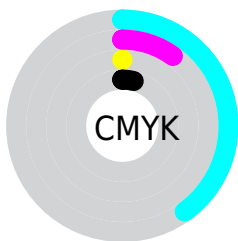
# Distribution



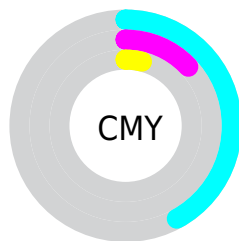
- Red (58%)
- Green (87%)
- Blue (96%)



- Red (58%)
- Yellow (75%)
- Blue (96%)



- Cyan (40%)
- Magenta (10%)
- Yellow (0%)
- Black (4%)



- Cyan (42%)
- Magenta (13%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.5506, 64.6014, 95.9804 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 54.5506, 64.6014, 95.9804 by changing the saturation by 10% instead.



■ 54.5506, 64.6014,  
95.9804

■ 54.5506, 64.6014,  
95.9804

■ 394.3703,  
441.3582, 568.3632

■ 39.2745, 47.1379,  
72.3498

■ 96.0344, 111.4766,  
157.6256

■ 27.1550, 33.1447,  
52.9559

■ 122.9727,  
141.6571, 196.4773

■ 17.8268, 22.2373,  
37.3801

■ 154.5291,  
176.8455, 241.2398

■ 10.9247, 14.0314,  
25.2038

■ 191.0690,  
217.4260, 292.3316

■ 6.0831, 8.1425,  
16.0086

■ 232.9577,  
263.7832, 350.1714

■ 2.9368, 4.1863,  
9.3758

■ 280.5606,

■ 1.1204, 1.7783,

316.3013, 415.1775

4.8870

334.2430,  
375.3649, 487.7686

■ 0.0421, 0.4736,  
2.1235

■ 0.0000, 0.0000,  
0.6297

■ 54.5506, 64.6014,  
95.9804

■ 54.5506, 64.6014,  
95.9804

■ 49.0081, 59.4125,  
95.2721

■ 61.0927, 70.3944,  
96.7549

■ 44.3989, 54.7881,  
94.6224

■ 68.6835, 76.8132,  
97.5938

■ 40.6580, 50.6953,  
94.0296

■ 77.3759, 83.8874,  
98.5011

■ 37.7086, 47.0937,  
93.4899

■ 87.2173, 91.6423,  
99.4792

■ 35.4598, 43.9353,  
92.9988

■ 92.3161, 97.0415,  
100.2526

■ 33.7670, 41.1447,  
92.5494

■ 93.4816, 99.3727,  
100.6412

■ 33.7027, 41.0348,  
92.5315

# Harmonies

## Analogous

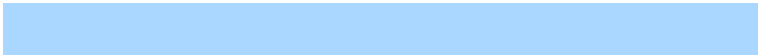
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.7648, 64.6014, 80.5459



54.5506, 64.6014, 95.9804



59.2794, 64.6014, 105.0007

# Triad

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



54.5506, 64.6014, 95.9804



72.5417, 64.6014, 76.6702



58.0603, 64.6014, 45.0061

# Complementary

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



54.5506, 64.6014, 95.9804



57.7551, 51.0566, 34.8295

# 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.



63.5740, 64.6014, 44.2938



54.5506, 64.6014, 95.9804



72.1660, 64.6014, 61.0347

# Square

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



54.5506, 64.6014, 95.9804



69.8010, 64.6014, 92.7752



68.8037, 64.6014, 49.7283



53.7048, 64.6014, 51.8488



# Rectangle

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



54.5506, 64.6014, 95.9804



62.9981, 64.6014, 105.3734



68.8037, 64.6014, 49.7283



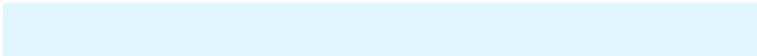
59.8325, 64.6014, 44.0847

# Sweetspot

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



54.5526, 64.6039, 95.9819



82.3068, 89.9158, 107.6252



52.1824, 74.5284, 49.9819



17.3437, 19.0247, 23.0080



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

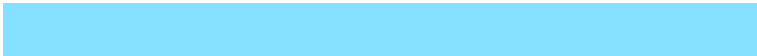


# Same Dimension

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



54.5526, 64.6039, 95.9819



54.5088, 65.8720, 104.4494



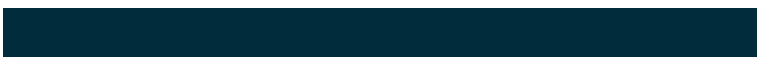
43.8061, 43.1108, 92.3997



16.6292, 18.0227, 21.1448



18.2710, 22.3358, 49.8863



1.6863, 2.1239, 4.4113



# Inverse Universe

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



61.2989, 45.8145, 74.0216



63.1250, 43.3466, 76.0722



68.3692, 72.2847, 38.3675



17.0282, 16.6941, 19.8949



25.0269, 12.3542, 25.9136

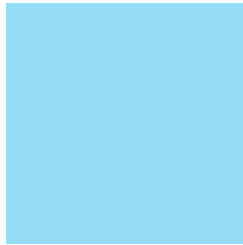


2.2402, 1.1020, 2.4913



# Previews

## White Background



This preview shows how the XYZ color 54.5506, 64.6014, 95.9804 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

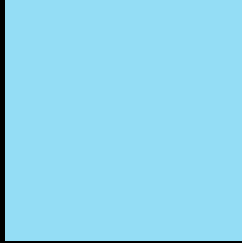
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.5506, 64.6014, 95.9804 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 54.5506, 64.6014, 95.9804

## Background



This preview shows how black text looks on a background with the XYZ color 54.5506, 64.6014, 95.9804.



This preview shows how white text looks on a background with the XYZ color 54.5506, 64.6014,



# 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

54.5506, 64.6014, 95.9804

### Protanopia

62.8730, 64.1470, 88.4247

### Deuteranopia

65.7942, 64.3511, 98.5758



## Tritanopia

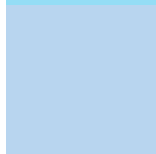
53.8821, 64.7369, 92.0937

# Trichromacy



## Original Color

54.5506, 64.6014, 95.9804



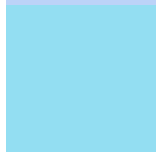
## Protanomaly

59.1414, 64.0108, 90.8996



## Deuteranomaly

60.9766, 64.0572, 97.9574



## Tritanomaly

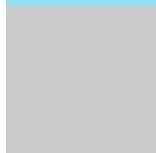
54.1809, 64.8564, 93.6673

# Monochromacy



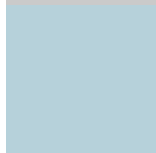
## Original Color

54.5506, 64.6014, 95.9804



## Achromatopsia

56.1383, 59.0619, 64.3184



## Achromatomaly

54.7468, 60.6080, 75.1427

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.5506, 64.6014, 95.9804 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(148, 221, 245)` looks like.

```
.text, #text, p{  
    color:rgb(148, 221, 245)  
}
```

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(148, 221, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 221, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 54.5506, 64.6014, 95.9804 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(148, 221, 245) }
```



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

```
.border{ border-color:rgb(148, 221, 245) }
```

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

Here you see how a box with a 4 pixel rgb(148, 221, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 221, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 221, 245);  
box-shadow:4px 4px 4px 4px rgb(148, 221,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.5506, 64.6014, 95.9804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 221, 245) }
```

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

```
.background{ background-color: rgb(148,  
221, 245) }
```

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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