

Converting Colors

XYZ(55.5297, 64.0616,
114.4850)

Have a look what the booklet for
XYZ(55.5297, 64.0616, 114.4850)
contains.

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Color

**XYZ(53.3732, 63.0339,
103.9614)**

Conversions

Conversions Part 1

Format	Color
Hex	87DBFF
RGB	135, 219, 255
RGB Percent	53%, 86%, 100%
CMY	0.4706, 0.1412, 0.0000
CMYK	0.47, 0.14, 0.00, 0.00
HSL	198°, 100%, 76%
HSV	198°, 47%, 100%
XYZ	53.3732, 63.0339, 103.9614
YIQ	197.9880, -61.6200, -6.6120

Conversions

Conversions Part 2

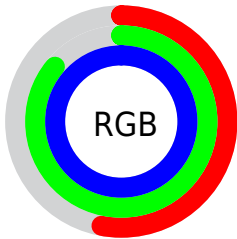
Format	Color
RYB	135, 184, 255
Decimal	8903679
CIELab	83.46, -16.20, -25.46
CIELCh	83, 30.175, 237.528
Yxy	63.0339, 0.2422, 0.2860
Android (android.graphics.Color)	4287093759 (0xFF87DBFF)
YUV	197.9880, 28.1069, -55.2405
Hunter-Lab	79.3939, -18.9412, -22.0609

Details

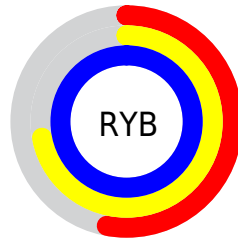
The XYZ color **53.3732, 63.0339, 103.9614** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **60.1769, 52.1361, 29.8154**, and the grayscale version is **53.5324, 56.3202, 61.3327**.

A 20% lighter version of the original color is **76.0581, 90.2093, 108.0112**, and **26.3702, 32.1240, 58.2368** is the 20% darker color. If you saturate the color by 10%, you get **47.8013, 57.2679, 103.1422**, and if you desaturate by 10%, it is **60.0228, 69.4944, 104.8580**.

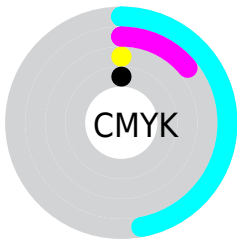
Distribution



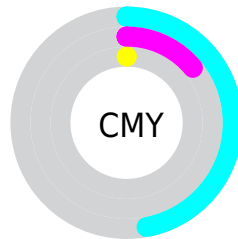
- Red (53%)
- Green (86%)
- Blue (100%)



- Red (53%)
- Yellow (72%)
- Blue (100%)



- Cyan (47%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.3732, 63.0339, 103.9614 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 53.3732, 63.0339, 103.9614 by changing the saturation by 10% instead.

53.3732, 63.0339,
103.9614

53.3732, 63.0339,
103.9614

389.9528,
435.6925, 594.1748

38.3294, 45.8686,
78.9777

94.3156, 109.2184,
168.6897

26.4169, 32.1422,
58.3563

120.9450,
139.0065, 209.2713

17.2701, 21.4701,
41.6785

152.1669,
173.7709, 255.8894

10.5237, 13.4681,
28.5260

188.3468,
213.8961, 308.9624

5.8125, 7.7516,
18.4800

229.8499,
259.7664, 368.9089

2.7710, 3.9364,
11.1222

277.0418,

1.0338, 1.6381,

311.7664, 436.1475

6.0339

330.2876,
370.2803, 511.0966

■ 0.0000, 0.3831,
2.7966

■ 0.0000, 0.0000,
0.9917

■ 53.3732, 63.0339,
103.9614

■ 53.3732, 63.0339,
103.9614

■ 47.8013, 57.2679,
103.1422

■ 60.0228, 69.4944,
104.8580

■ 43.2293, 52.1503,
102.3953

■ 67.8102, 76.6780,
105.8341

■ 39.5767, 47.6392,
101.7171

■ 76.7970, 84.6196,
106.8933

■ 36.7472, 43.6831,
101.1026

■ 87.0390, 93.3496,
108.0386

■ 34.6181, 40.2168,
100.5458

95.0500, 100.0000,
108.9000

■ 34.0708, 39.2616,
100.3903

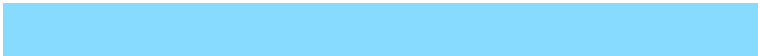
Harmonies

Analogous

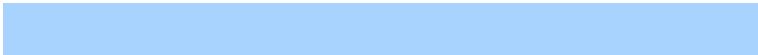
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.3790, 63.0339, 86.7769



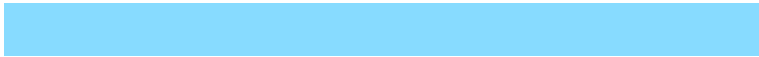
53.3732, 63.0339, 103.9614



59.3678, 63.0339, 111.5665

Triad

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



53.3732, 63.0339, 103.9614



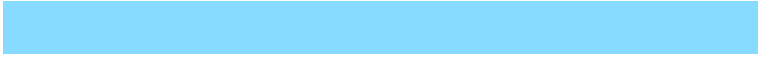
73.4604, 63.0339, 70.2079



54.2531, 63.0339, 41.2569

Complementary

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



53.3732, 63.0339, 103.9614



60.1769, 52.1361, 29.8154

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.



60.4592, 63.0339, 38.4267



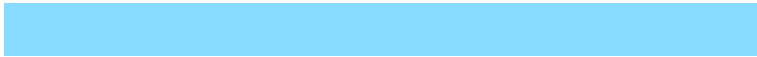
53.3732, 63.0339, 103.9614



71.8451, 63.0339, 53.2131

Square

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



53.3732, 63.0339, 103.9614



71.2309, 63.0339, 89.9807



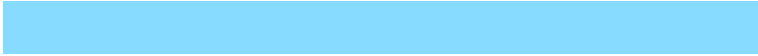
66.9638, 63.0339, 42.3802



49.8602, 63.0339, 50.9611

Rectangle

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



53.3732, 63.0339, 103.9614



63.8031, 63.0339, 109.3030



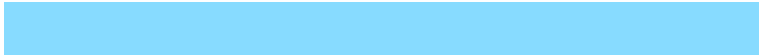
66.9638, 63.0339, 42.3802



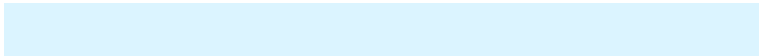
56.1820, 63.0339, 39.5574

Sweetspot

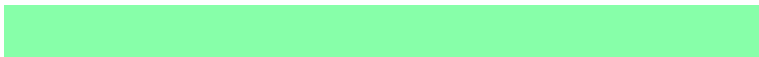
The Sweet Spot groups the original color and five complimentary colors.



53.3750, 63.0362, 103.9618



79.7919, 87.2030, 107.2341



52.9144, 79.5361, 50.1012



16.6236, 18.2731, 22.9008



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.



53.3750, 63.0362, 103.9618



48.3416, 57.8459, 103.2252



40.7882, 37.8627, 99.7662



18.0679, 19.5073, 23.0630



17.9397, 20.7890, 52.5017



1.8425, 2.2157, 5.1438

Inverse Universe

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



62.6914, 43.7042, 72.1518



58.9604, 37.6542, 66.5550



73.6332, 79.0487, 34.3008



18.5469, 18.2021, 21.4971



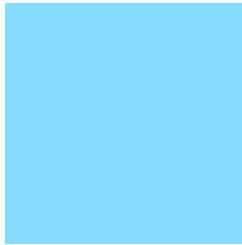
25.8433, 12.8266, 23.6233



2.5646, 1.2682, 2.5546

Previews

White Background



This preview shows how the XYZ color 53.3732, 63.0339, 103.9614 looks on a white background.

Color Contrast Check

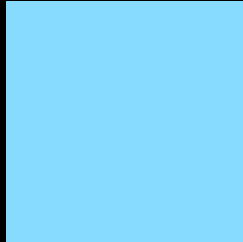
Large Text (above 18pt) WCAG AA × Fail

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 53.3732, 63.0339, 103.9614 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

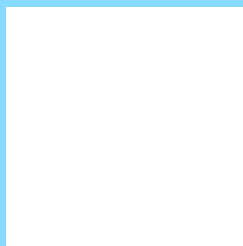
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.3732, 63.0339, 103.9614

Background



This preview shows how black text looks on a background with the XYZ color 53.3732, 63.0339, 103.9614.



This preview shows how white text looks on a background with the XYZ color 53.3732, 63.0339,

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

53.3732, 63.0339, 103.9614

Protanopia

62.0191, 62.4586, 95.9757

Deuteranopia

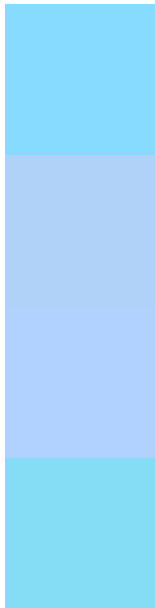
63.4933, 62.3494, 103.2959



Tritanopia

51.0554, 63.2796, 91.9614

Trichromacy



Original Color

53.3732, 63.0339, 103.9614

Protanomaly

58.0500, 62.1628, 98.5616

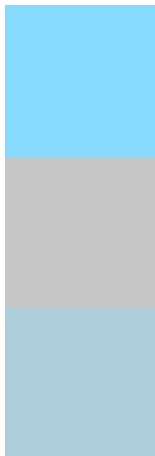
Deuteranomaly

58.9819, 62.1680, 103.4987

Tritanomaly

51.8536, 63.2110, 95.8542

Monochromacy



Original Color

53.3732, 63.0339, 103.9614

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

52.5367, 58.3710, 75.5156

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.3732, 63.0339, 103.9614 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(135, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 219, 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(135, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 219, 255) }
```

Border

The CSS property to change the border of an element to XYZ 53.3732, 63.0339, 103.9614 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(135, 219, 255) }
```


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

```
.border{ border-color:rgb(135, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 219,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 53.3732, 63.0339, 103.9614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 219, 255) }
```

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

```
.background{ background-color: rgb(135,  
219, 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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