

Converting Colors

XYZ(56.7746, 60.7005,
136.6750)

Have a look what the booklet for
XYZ(56.7746, 60.7005, 136.6750)
contains.

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Color

**XYZ(50.4567, 58.1385,
103.1702)**

Conversions

Conversions Part 1

Format	Color
Hex	83D2FF
RGB	131, 210, 255
RGB Percent	51%, 82%, 100%
CMY	0.4863, 0.1765, 0.0000
CMYK	0.49, 0.18, 0.00, 0.00
HSL	202°, 100%, 76%
HSV	202°, 49%, 100%
XYZ	50.4567, 58.1385, 103.1702
YIQ	191.5090, -61.5290, -2.7530

Conversions

Conversions Part 2

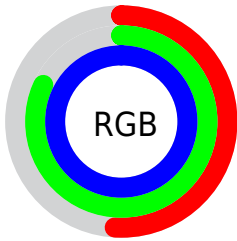
Format	Color
R_{YB}	131, 179, 255
Decimal	8639231
CIE _{Lab}	80.82, -12.46, -29.52
CIE _{LCh}	81, 32.036, 247.118
Yxy	58.1385, 0.2383, 0.2745
Android (android.graphics.Color)	4286829311 (0xFF83D2FF)
YUV	191.5090, 31.3011, -53.0664
Hunter-Lab	76.2486, -15.3146, -26.8499

Details

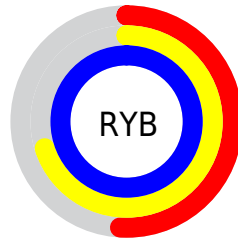
The XYZ color **50.4567, 58.1385, 103.1702** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **60.8630, 53.9505, 28.6805**, and the grayscale version is **49.6678, 52.2544, 56.9051**.

A 20% lighter version of the original color is **75.0452, 89.6871, 107.9638**, and **24.6800, 29.1937, 57.7603** is the 20% darker color. If you saturate the color by 10%, you get **44.7636, 51.9106, 102.2682**, and if you desaturate by 10%, it is **57.2571, 65.1358, 104.1624**.

Distribution



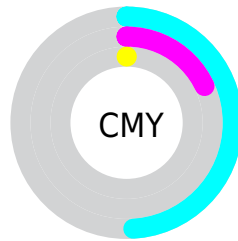
- Red (51%)
- Green (82%)
- Blue (100%)



- Red (51%)
- Yellow (70%)
- Blue (100%)



- Cyan (49%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4567, 58.1385, 103.1702 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 50.4567, 58.1385, 103.1702 by changing the saturation by 10% instead.

50.4567, 58.1385,
103.1702

50.4567, 58.1385,
103.1702

378.8718,
417.7018, 591.6428

35.9957, 41.9200,
78.3191

90.0390, 102.1245,
167.5967

24.6010, 29.0387,
57.8182

115.8909,
130.6608, 208.0093

15.9072, 19.1101,
41.2488

146.2706,
164.0719, 254.4461

9.5489, 11.7498,
28.1923

181.5433,
202.7420, 307.3257

5.1609, 6.5736,
18.2304

222.0744,
247.0557, 367.0666

2.3777, 3.1969,
10.9444

268.2293,

0.8340, 1.2354,

297.3973, 434.0874

5.9157

320.3733,
354.1512, 508.8066

■ 0.0000, 0.0903,
2.7260

■ 0.0000, 0.0000,
0.9565

■ 50.4567, 58.1385,
103.1702

■ 50.4567, 58.1385,
103.1702

■ 44.7636, 51.9106,
102.2682

■ 57.2571, 65.1358,
104.1624

■ 40.0979, 46.4039,
101.4512

■ 65.2270, 72.9341,
105.2476

■ 36.3762, 41.5734,
100.7150

■ 74.4298, 81.5705,
106.4296

■ 33.4982, 37.3639,
100.0542

■ 84.9226, 91.0775,
107.7116

■ 31.3219, 33.6986, 95.0500, 100.0000,
99.4614 108.9000

■ 31.0519, 33.2238,
99.3840

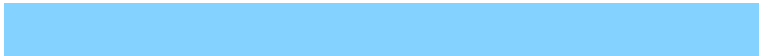
Harmonies

Analogous

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



45.7194, 58.1385, 87.9436



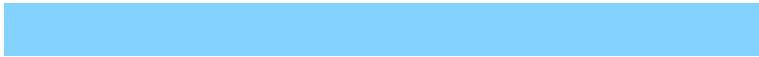
50.4567, 58.1385, 103.1702



56.8510, 58.1385, 106.7948

Triad

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



50.4567, 58.1385, 103.1702



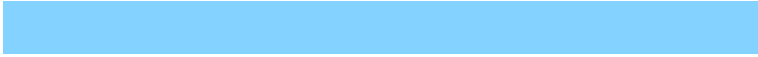
68.8738, 58.1385, 58.8929



47.9292, 58.1385, 38.4607

Complementary

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



50.4567, 58.1385, 103.1702



60.8630, 53.9505, 28.6805

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.



53.6968, 58.1385, 33.5866



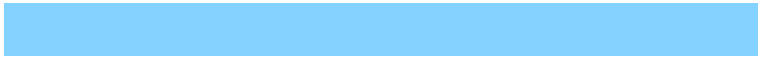
50.4567, 58.1385, 103.1702



66.0408, 58.1385, 43.7571

Square

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



50.4567, 58.1385, 103.1702



67.8328, 58.1385, 78.5588



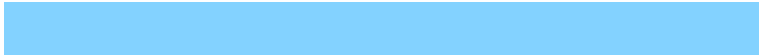
60.3565, 58.1385, 35.3108



44.3436, 58.1385, 50.1623

Rectangle

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



50.4567, 58.1385, 103.1702



61.2654, 58.1385, 101.6012



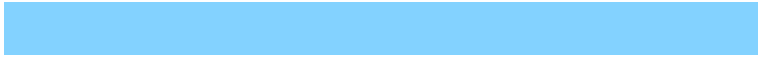
60.3565, 58.1385, 35.3108



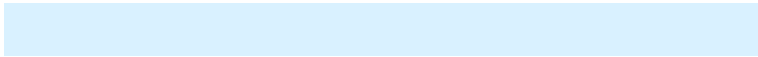
49.6584, 58.1385, 36.0881

Sweetspot

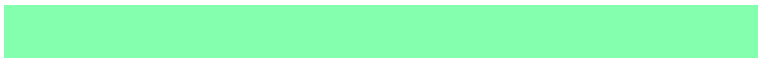
The Sweet Spot groups the original color and five complimentary colors.



50.4584, 58.1406, 103.1706



78.0816, 84.9147, 106.8826



52.8004, 79.4175, 52.7974



16.2537, 17.7560, 22.8205



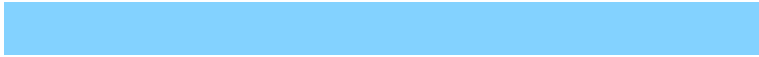
0.0000, 0.0000, 0.0000



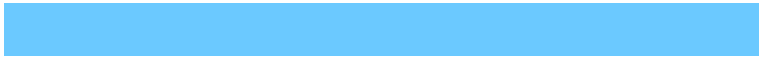
20.3446, 21.4041, 23.3091

Same Dimension

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



50.4584, 58.1406, 103.1706



45.0886, 52.2784, 102.3221



38.2544, 33.7326, 99.1026



17.9681, 19.3077, 23.0297



16.3722, 17.6540, 51.9792



1.6980, 1.9267, 5.0957

Inverse Universe

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



60.9904, 42.1475, 65.8957



57.0894, 36.0288, 59.4062



75.4481, 83.1209, 33.5422



18.4965, 18.1819, 21.2319



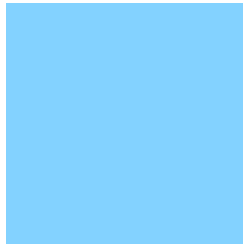
25.0521, 12.5101, 19.4569



2.4917, 1.2390, 2.1706

Previews

White Background



This preview shows how the XYZ color 50.4567, 58.1385, 103.1702 looks on a white background.

Color Contrast Check

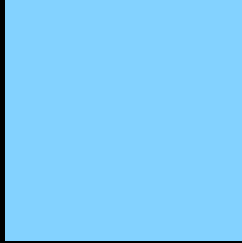
Large Text (above 18pt) WCAG AA × Fail

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 50.4567, 58.1385, 103.1702 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

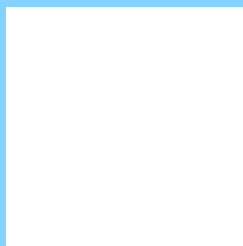
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.4567, 58.1385, 103.1702

Background



This preview shows how black text looks on a background with the XYZ color 50.4567, 58.1385, 103.1702.



This preview shows how white text looks on a background with the XYZ color 50.4567, 58.1385,

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

50.4567, 58.1385, 103.1702

Protanopia

57.5677, 57.7334, 95.2983

Deuteranopia

58.7762, 57.5187, 102.6121



Tritanopia

46.6388, 58.0736, 84.3525

Trichromacy



Original Color

50.4567, 58.1385, 103.1702

Protanomaly

54.1558, 57.2961, 97.8275

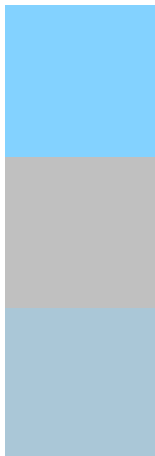
Deuteranomaly

55.0851, 57.3181, 102.7679

Tritanomaly

48.1266, 58.3154, 91.1575

Monochromacy



Original Color

50.4567, 58.1385, 103.1702

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.2667, 54.2992, 72.1741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4567, 58.1385, 103.1702 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(131, 210, 255)` looks like.

```
.text, #text, p{  
    color:rgb(131, 210, 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(131, 210, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 210, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.4567, 58.1385, 103.1702 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(131, 210, 255) }
```


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

```
.border{ border-color:rgb(131, 210, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 210, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 210, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 210, 255);  
box-shadow:4px 4px 4px 4px rgb(131, 210,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4567, 58.1385, 103.1702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 210, 255) }
```

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

```
.background{ background-color: rgb(131,  
210, 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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