

Converting Colors

XYZ(51.1009, 54.1801,
117.9084)

Have a look what the booklet for
XYZ(51.1009, 54.1801, 117.9084)
contains.

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Color

**XYZ(48.1463, 53.0534,
102.3105)**

Conversions

Conversions Part 1

Format	Color
Hex	85C7FF
RGB	133, 199, 255
RGB Percent	52%, 78%, 100%
CMY	0.4784, 0.2196, 0.0000
CMYK	0.48, 0.22, 0.00, 0.00
HSL	208°, 100%, 76%
HSV	208°, 48%, 100%
XYZ	48.1463, 53.0534, 102.3105
YIQ	185.6500, -57.3120, 3.4240

Conversions

Conversions Part 2

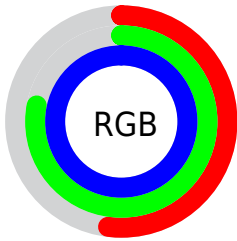
Format	Color
RYB	133, 176, 255
Decimal	8767487
CIELab	77.91, -6.19, -33.98
CIELCh	78, 34.544, 259.672
Yxy	53.0534, 0.2366, 0.2607
Android (android.graphics.Color)	4286957567 (0xFF85C7FF)
YUV	185.6500, 34.1896, -46.1740
Hunter-Lab	72.8378, -9.4763, -32.2944

Details

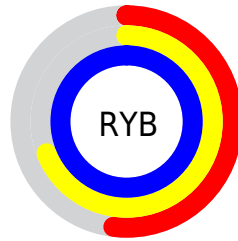
The XYZ color **48.1463, 53.0534, 102.3105** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.6721, 59.3499, 30.2921**, and the grayscale version is **46.3159, 48.7279, 53.0647**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **23.1425, 25.7839, 57.1831** is the 20% darker color. If you saturate the color by 10%, you get **42.0081, 46.0446, 101.2812**, and if you desaturate by 10%, it is **55.4720, 60.9840, 103.4551**.

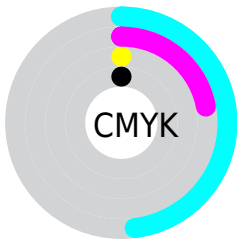
Distribution



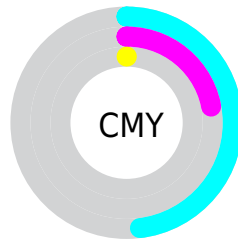
- Red (52%)
- Green (78%)
- Blue (100%)



- Red (52%)
- Yellow (69%)
- Blue (100%)



- Cyan (48%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1463, 53.0534, 102.3105 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 48.1463, 53.0534, 102.3105 by changing the saturation by 10% instead.

■ 48.1463, 53.0534,
102.3105

■ 48.1463, 53.0534,
102.3105

369.9447,
398.4900, 588.8850

■ 34.1545, 37.8454,
77.6039

■ 86.6306, 94.6829,
166.4082

■ 23.1758, 25.8627,
57.2342

■ 111.8537,
121.8733, 206.6365

■ 14.8448, 16.7210,
40.7827

■ 141.5514,
153.8265, 252.8757

■ 8.7961, 10.0357,
27.8309

176.0889,
190.9270, 305.5444

■ 4.6645, 5.4227,
17.9603

215.8317,
233.5592, 365.0611

■ 2.0845, 2.4973,
10.7523

261.1450,

■ 0.6808, 0.8753,

282.1075, 431.8444

5.7885

312.3942,
336.9563, 506.3129

■ 0.0000, 0.0000,
2.6502

■ 0.0000, 0.0000,
0.9182

■ 48.1463, 53.0534,
102.3105

■ 48.1463, 53.0534,
102.3105

■ 42.0081, 46.0446,
101.2812

■ 55.4720, 60.9840,
103.4551

■ 36.9759, 39.9056,
100.3615

■ 64.0495, 69.8731,
104.7188

■ 32.9648, 34.5865,
99.5462

■ 73.9441, 79.7618,
106.1060

■ 29.8734, 30.0276,
98.8292

■ 85.2145, 90.6866,
107.6207

■ 27.5672, 26.1520,
98.2026

95.0500, 100.0000,
108.9000

■ 27.1316, 25.3832,
98.0772

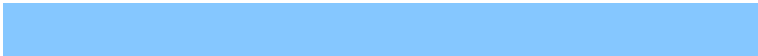
Harmonies

Analogous

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



42.5236, 53.0534, 90.7868



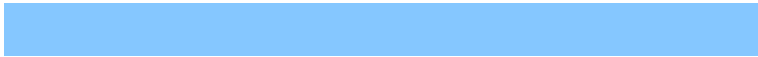
48.1463, 53.0534, 102.3105



54.8978, 53.0534, 100.0454

Triad

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



48.1463, 53.0534, 102.3105



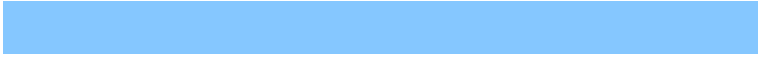
63.5856, 53.0534, 46.1919



41.2099, 53.0534, 36.9897

Complementary

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



48.1463, 53.0534, 102.3105



63.6721, 59.3499, 30.2921

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.



46.2033, 53.0534, 29.4762



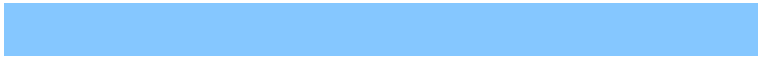
48.1463, 53.0534, 102.3105



59.2507, 53.0534, 33.9150

Square

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



48.1463, 53.0534, 102.3105



64.2230, 53.0534, 64.6518



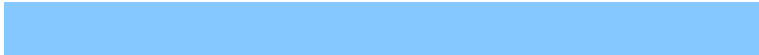
52.7759, 53.0534, 28.4919



38.7611, 53.0534, 51.3876

Rectangle

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



48.1463, 53.0534, 102.3105



59.1247, 53.0534, 91.1551



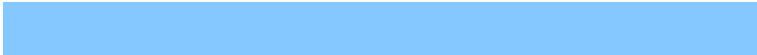
52.7759, 53.0534, 28.4919



42.6247, 53.0534, 33.7245

Sweetspot

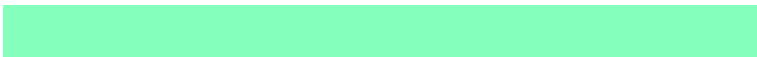
The Sweet Spot groups the original color and five complimentary colors.



48.1479, 53.0553, 102.3108



78.1072, 83.8334, 106.6725



54.5004, 80.1337, 60.1171



16.2122, 17.4502, 22.7637



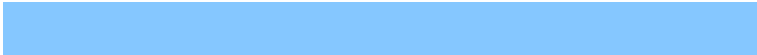
0.0000, 0.0000, 0.0000



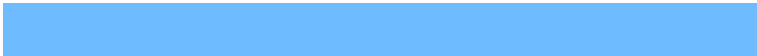
20.3446, 21.4041, 23.3091

Same Dimension

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



48.1479, 53.0553, 102.3108



42.4806, 46.5999, 101.3635



36.9716, 30.7028, 98.5853



17.8172, 19.0060, 22.9794



14.3280, 13.5657, 51.2979



1.5044, 1.5395, 5.0311

Inverse Universe

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



59.9375, 42.1603, 59.0134



55.8858, 35.9795, 51.7361



79.3189, 90.6433, 35.5077



18.4204, 18.1515, 20.8308



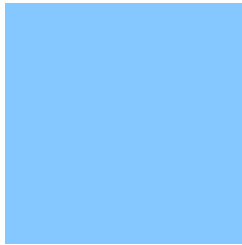
24.0203, 12.0974, 14.0234



2.3940, 1.2000, 1.6560

Previews

White Background



This preview shows how the XYZ color 48.1463, 53.0534, 102.3105 looks on a white background.

Color Contrast Check

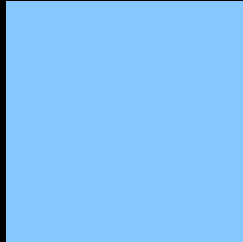
Large Text (above 18pt) WCAG AA × Fail

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 48.1463, 53.0534, 102.3105 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

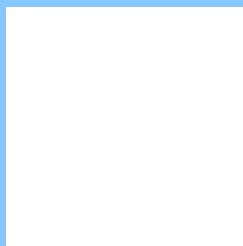
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.1463, 53.0534, 102.3105

Background



This preview shows how black text looks on a background with the XYZ color 48.1463, 53.0534, 102.3105.

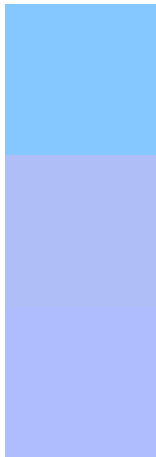


This preview shows how white text looks on a background with the XYZ color 48.1463, 53.0534,

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

48.1463, 53.0534, 102.3105

Protanopia

53.2612, 52.8343, 96.1978

Deuteranopia

53.9268, 52.7292, 101.9432



Tritanopia

43.1845, 53.1475, 77.0897

Trichromacy



Original Color

48.1463, 53.0534, 102.3105

Protanomaly

50.9798, 52.5785, 98.7285

Deuteranomaly

51.6172, 52.8335, 102.0851

Tritanomaly

44.9596, 53.1644, 85.7340

Monochromacy



Original Color

48.1463, 53.0534, 102.3105

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.3250, 50.1802, 68.8722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1463, 53.0534, 102.3105 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(133, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 199, 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(133, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 199, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.1463, 53.0534, 102.3105 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(133, 199, 255) }
```


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

```
.border{ border-color:rgb(133, 199, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 199,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1463, 53.0534, 102.3105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 199, 255) }
```

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

```
.background{ background-color: rgb(133,  
199, 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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