

Converting Colors

XYZ(49.9128, 58.4711, 96.9345)

Have a look what the booklet for
XYZ(49.9128, 58.4711, 96.9345)
contains.

XYZ(49.7556, 58.2905, 96.6245)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.7556, 58.2905,
96.6245)**

Conversions

Conversions Part 1

Format	Color
Hex	85D3F7
RGB	133, 211, 247
RGB Percent	52%, 83%, 97%
CMY	0.4784, 0.1725, 0.0314
CMYK	0.46, 0.15, 0.00, 0.03
HSL	199°, 88%, 75%
HSV	199°, 46%, 97%
XYZ	49.7556, 58.2905, 96.6245
YIQ	191.7820, -58.0440, -5.3400

Conversions

Conversions Part 2

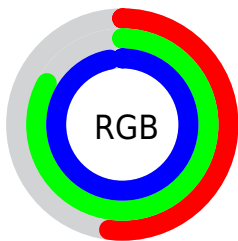
Format	Color
RYB	133, 179, 247
Decimal	8770551
CIELab	80.90, -14.70, -25.12
CIElCh	81, 29.111, 239.662
Yxy	58.2905, 0.2431, 0.2848
Android (android.graphics.Color)	4286960631 (0xFF85D3F7)
YUV	191.7820, 27.2225, -51.5518
Hunter-Lab	76.3482, -17.2822, -21.5923

Details

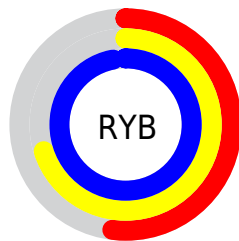
The XYZ color **49.7556, 58.2905, 96.6245** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **56.7806, 49.8448, 28.8204**, and the grayscale version is **49.8480, 52.4440, 57.1115**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **24.1165, 28.9944, 53.6156** is the 20% darker color. If you saturate the color by 10%, you get **44.4143, 52.7309, 95.8340**, and if you desaturate by 10%, it is **56.1115, 64.5152, 97.4920**.

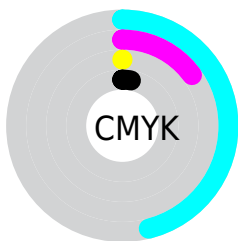
Distribution



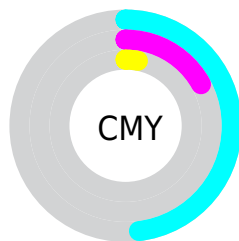
- Red (52%)
- Green (83%)
- Blue (97%)



- Red (52%)
- Yellow (70%)
- Blue (97%)



- Cyan (46%)
- Magenta (15%)
- Yellow (0%)
- Black (3%)



- Cyan (48%)
- Magenta (17%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7556, 58.2905, 96.6245 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 49.7556, 58.2905, 96.6245 by changing the saturation by 10% instead.

■ 49.7556, 58.2905,
96.6245

■ 49.7556, 58.2905,
96.6245

376.1772,
418.2675, 570.4693

■ 35.4362, 42.0422,
72.8834

■ 89.0066, 102.3458,
158.5218

■ 24.1672, 29.1344,
53.3894

■ 114.6691,
130.9216, 197.5152

■ 15.5831, 19.1825,
37.7239

■ 144.8432,
164.3753, 242.4298

■ 9.3186, 11.8022,
25.4683

179.8944,
203.0915, 293.6841

■ 5.0083, 6.6091,
16.2041

220.1881,
247.4544, 351.6966

■ 2.2870, 3.2189,
9.5128

266.0895,

■ 0.7880, 1.2471,

297.8484, 416.8860

4.9758

317.9641,
354.6580, 489.6707

■ 0.0000, 0.0996,
2.1746

■ 0.0000, 0.0000,
0.6596

■ 49.7556, 58.2905,
96.6245

■ 49.7556, 58.2905,
96.6245

■ 44.4143, 52.7309,
95.8340

■ 56.1115, 64.5152,
97.4920

■ 40.0153, 47.7936,
95.1128

■ 63.5366, 71.4313,
98.4356

■ 36.4854, 43.4399,
94.4585

■ 72.0879, 79.0714,
99.4596

■ 33.7369, 39.6226,
93.8666

■ 81.8167, 87.4637,
100.5667

■ 31.6611, 36.2836,
93.3315

■ 92.2151, 96.3483,
101.7336

■ 30.9773, 35.0927,
93.1377

■ 93.7887, 99.4955,
102.2581

Harmonies

Analogous

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



45.9342, 58.2905, 81.3439



49.7556, 58.2905, 96.6245



55.3351, 58.2905, 102.7617

Triad

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



49.7556, 58.2905, 96.6245



67.8139, 58.2905, 63.6643



49.8658, 58.2905, 38.7836

Complementary

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



49.7556, 58.2905, 96.6245



56.7806, 49.8448, 28.8204

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.



55.4717, 58.2905, 35.7368



49.7556, 58.2905, 96.6245



66.0919, 58.2905, 48.4247

Square

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



49.7556, 58.2905, 96.6245



66.0151, 58.2905, 81.7444



61.4631, 58.2905, 38.9246



45.9946, 58.2905, 48.1422

Rectangle

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



49.7556, 58.2905, 96.6245



59.3934, 58.2905, 100.1182



61.4631, 58.2905, 38.9246



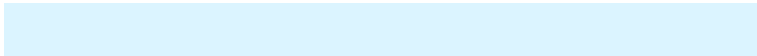
51.5962, 58.2905, 37.0717

Sweetspot

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



49.7575, 58.2927, 96.6259



79.6223, 86.8636, 107.1776



49.9287, 74.3068, 48.3692



16.5821, 18.1900, 22.8870



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.



49.7575, 58.2927, 96.6259



48.3102, 57.2934, 103.1203



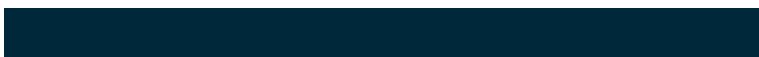
38.3179, 35.4136, 92.8127



16.5296, 17.8236, 21.1117



16.5158, 18.8254, 49.3012



1.5435, 1.8385, 4.3637

Inverse Universe

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



58.5047, 41.2541, 66.5096



59.0640, 38.1532, 65.6901



69.3022, 74.8879, 32.9942



16.9779, 16.6740, 19.6302



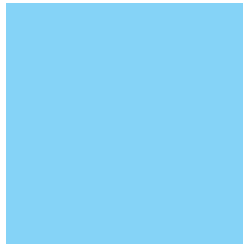
24.1409, 11.9998, 21.2484



2.1682, 1.0732, 2.1119

Previews

White Background



This preview shows how the XYZ color 49.7556, 58.2905, 96.6245 looks on a white background.

Color Contrast Check

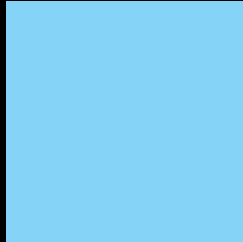
Large Text (above 18pt) WCAG AA × Fail

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 49.7556, 58.2905, 96.6245 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 49.7556, 58.2905, 96.6245

Background



This preview shows how black text looks on a background with the XYZ color 49.7556, 58.2905, 96.6245.



This preview shows how white text looks on a background with the XYZ color 49.7556, 58.2905,

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

49.7556, 58.2905, 96.6245

Protanopia

57.3649, 57.7677, 89.0157

Deuteranopia

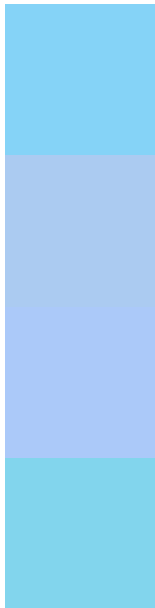
58.9876, 57.7194, 98.4745



Tritanopia

47.3725, 58.4519, 84.3868

Trichromacy



Original Color

49.7556, 58.2905, 96.6245

Protanomaly

54.0277, 57.7207, 91.5127

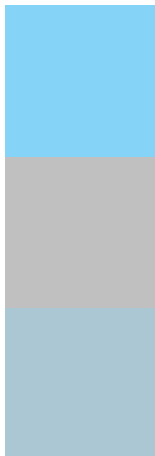
Deuteranomaly

54.7801, 57.2708, 97.7897

Tritanomaly

48.2862, 58.4488, 88.8575

Monochromacy



Original Color

49.7556, 58.2905, 96.6245

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.1017, 54.2582, 70.1723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7556, 58.2905, 96.6245 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, 211, 247)` looks like.

```
.text, #text, p{  
    color:rgb(133, 211, 247)  
}
```

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, 211, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 211, 247) }
```

Border

The CSS property to change the border of an element to XYZ 49.7556, 58.2905, 96.6245 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, 211, 247) }
```


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

```
.border{ border-color:rgb(133, 211, 247) }
```

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

Here you see how a box with a 4 pixel rgb(133, 211, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 211, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 211, 247);  
box-shadow:4px 4px 4px 4px rgb(133, 211,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7556, 58.2905, 96.6245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 211, 247) }
```

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

```
.background{ background-color: rgb(133,  
211, 247) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor