

Converting Colors

XYZ(49.2465, 68.2674,
105.1891)

Have a look what the booklet for
XYZ(49.2465, 68.2674, 105.1891)
contains.

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Color

**XYZ(49.2486, 68.2598,
105.1875)**

Conversions

Conversions Part 1

Format	Color
Hex	29EDFF
RGB	41, 237, 255
RGB Percent	16%, 93%, 100%
CMY	0.8391, 0.0706, 0.0000
CMYK	0.84, 0.07, 0.00, 0.00
HSL	185°, 100%, 58%
HSV	185°, 84%, 100%
XYZ	49.2486, 68.2598, 105.1875
YIQ	180.4480, -122.5940, -35.9540

Conversions

Conversions Part 2

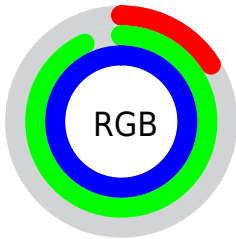
Format	Color
R _Y B	41, 143, 255
Decimal	2747903
CIE Lab	86.14, -38.65, -21.61
CIE LCh	86, 44.281, 209.217
Yxy	68.2598, 0.2211, 0.3065
Android (android.graphics.Color)	4280937983 (0xFF29EDFF)
YUV	180.4480, 36.7541, -122.2959
Hunter-Lab	82.6195, -38.1822, -17.6518

Details

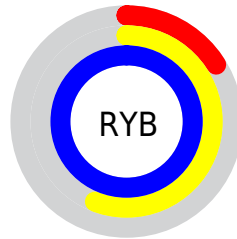
The XYZ color **49.2486, 68.2598, 105.1875** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **43.2056, 24.5501, 4.5613**, and the grayscale version is **43.4832, 45.7477, 49.8193**.

A 20% lighter version of the original color is **62.7121, 83.3292, 107.3866**, and **26.7169, 37.1250, 59.1838** is the 20% darker color. If you saturate the color by 10%, you get **47.9235, 66.6618, 104.9489**, and if you desaturate by 10%, it is **51.2420, 70.2162, 105.4601**.

Distribution



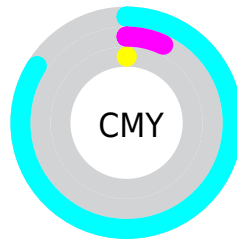
- Red (16%)
- Green (93%)
- Blue (100%)



- Red (16%)
- Yellow (56%)
- Blue (100%)



- Cyan (84%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (84%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2486, 68.2598, 105.1875 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 49.2486, 68.2598, 105.1875 by changing the saturation by 10% instead.

49.2486, 68.2598,
105.1875

49.2486, 68.2598,
105.1875

374.2209,
454.4159, 598.0875

35.0321, 50.1091,
79.9989

88.2591, 116.7237,
170.3817

23.8542, 35.5001,
59.1913

113.7837,
147.8058, 211.2245

15.3497, 24.0484,
42.3461

143.8085,
183.9671, 258.1223

9.1531, 15.3695,
29.0448

178.6987,
225.5920, 311.4938

4.8991, 9.0791,
18.8688

218.8196,
273.0649, 371.7576

2.2223, 4.7928,
11.3997

264.5368,

0.7545, 2.1262,

326.7703, 439.3321

6.2188

316.2154,
387.0925, 514.6358

■ 0.0000, 0.6793,
2.9077

■ 0.0000, 0.0000,
1.0477

■ 49.2486, 68.2598,
105.1875

■ 49.2486, 68.2598,
105.1875

■ 47.9235, 66.6618,
104.9489

■ 51.2420, 70.2162,
105.4601

■ 47.3458, 65.8115,
104.8153

■ 54.0079, 72.5805,
105.7707

■ 57.6382, 75.4015,
106.1238

■ 62.2104, 78.7192,
106.5232

67.7934, 82.5692,
106.9721

74.4496, 86.9837,
107.4734

82.2363, 91.9922,
108.0297

91.2069, 97.6223,
108.6436

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



47.2064, 68.2598, 73.5600



49.2486, 68.2598, 105.1875



55.3666, 68.2598, 133.6464

Triad

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



49.2486, 68.2598, 105.1875



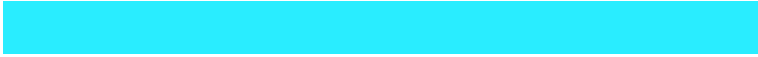
83.1930, 68.2598, 106.8687



65.1467, 68.2598, 31.1758

Complementary

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



49.2486, 68.2598, 105.1875



43.2056, 24.5501, 4.5613

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.



75.4227, 68.2598, 35.8117



49.2486, 68.2598, 105.1875



86.4888, 68.2598, 75.0919

Square

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



49.2486, 68.2598, 105.1875



74.9117, 68.2598, 134.7822



83.5091, 68.2598, 50.1774



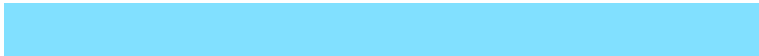
55.7844, 68.2598, 35.3430

Rectangle

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



49.2486, 68.2598, 105.1875



61.2848, 68.2598, 144.1257



83.5091, 68.2598, 50.1774



68.6108, 68.2598, 31.7309

Sweetspot

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



49.2505, 68.2622, 105.1879



73.6721, 86.4754, 107.4162



37.4610, 72.3061, 16.0999



15.2505, 18.1679, 22.9529



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.



49.2505, 68.2622, 105.1879



47.3458, 65.8115, 104.8153



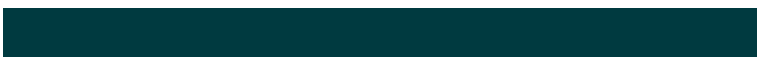
26.9719, 23.7050, 97.7617



18.4165, 20.2046, 23.1792



24.7936, 34.4968, 54.7864



2.4510, 3.4327, 5.3467

Inverse Universe

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



57.3203, 28.9621, 82.6925



56.0271, 27.1749, 79.7981



55.2483, 48.6355, 8.5756



18.7229, 18.2725, 22.4238



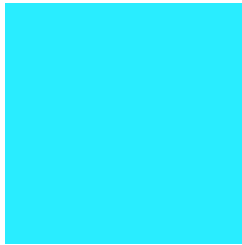
29.3029, 14.2104, 41.8408



2.8718, 1.3911, 4.1721

Previews

White Background



This preview shows how the XYZ color 49.2486, 68.2598, 105.1875 looks on a white background.

Color Contrast Check

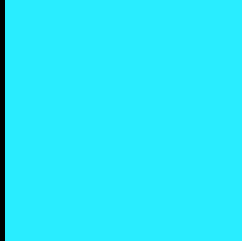
Large Text (above 18pt) WCAG AA × Fail

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 49.2486, 68.2598, 105.1875 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 49.2486, 68.2598, 105.1875

Background



This preview shows how black text looks on a background with the XYZ color 49.2486, 68.2598, 105.1875.

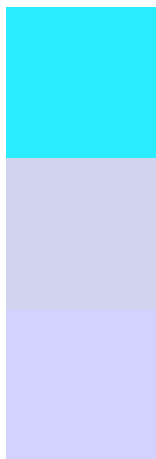


This preview shows how white text looks on a background with the XYZ color 49.2486, 68.2598,

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

49.2486, 68.2598, 105.1875

Protanopia

65.7018, 67.0206, 91.1348

Deuteranopia

67.9606, 67.1621, 103.9894



Tritanopia

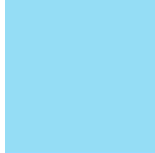
49.7904, 68.1104, 105.1301

Trichromacy



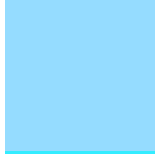
Original Color

49.2486, 68.2598, 105.1875



Protanomaly

54.7323, 64.6950, 95.9889



Deuteranomaly

56.0376, 64.7960, 104.1611



Tritanomaly

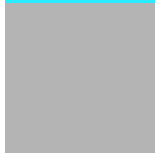
49.4616, 67.9410, 105.1148

Monochromacy



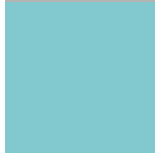
Original Color

49.2486, 68.2598, 105.1875



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

41.2024, 50.9454, 66.6933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2486, 68.2598, 105.1875 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(41, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(41, 237, 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(41, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 237, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.2486, 68.2598, 105.1875 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(41, 237, 255) }
```


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

```
.border{ border-color:rgb(41, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(41, 237,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2486, 68.2598, 105.1875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 237, 255) }
```

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

```
.background{ background-color: rgb(41, 237,  
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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