

Converting Colors

XYZ(42.0865, 49.2716, 91.4678)

Have a look what the booklet for
XYZ(42.0865, 49.2716, 91.4678)
contains.

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Color

**XYZ(41.9513, 49.0788,
91.2665)**

Conversions

Conversions Part 1

Format	Color
Hex	6CC4F2
RGB	108, 196, 242
RGB Percent	42%, 77%, 95%
CMY	0.5764, 0.2314, 0.0510
CMYK	0.55, 0.19, 0.00, 0.05
HSL	201°, 84%, 69%
HSV	201°, 55%, 95%
XYZ	41.9513, 49.0788, 91.2665
YIQ	174.9320, -67.2140, -4.3500

Conversions

Conversions Part 2

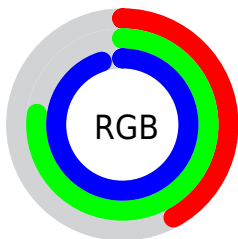
Format	Color
RYB	108, 161, 242
Decimal	7128306
CIELab	75.50, -13.71, -30.81
CIElCh	76, 33.725, 246.019
Yxy	49.0788, 0.2301, 0.2692
Android (android.graphics.Color)	4285318386 (0xFF6CC4F2)
YUV	174.9320, 33.0645, -58.6994
Hunter-Lab	70.0563, -15.7086, -28.2013

Details

The XYZ color **41.9513, 49.0788, 91.2665** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **50.8819, 43.0732, 19.8214**, and the grayscale version is **40.5733, 42.6863, 46.4854**.

A 20% lighter version of the original color is **69.3237, 85.7954, 107.5142**, and **19.4110, 23.3423, 49.9368** is the 20% darker color. If you saturate the color by 10%, you get **37.5843, 44.1232, 90.5411**, and if you desaturate by 10%, it is **47.2420, 54.6666, 92.0671**.

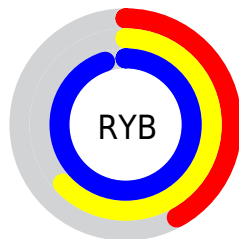
Distribution



Red (42%)

Green (77%)

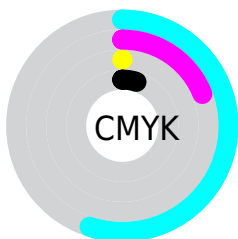
Blue (95%)



Red (42%)

Yellow (63%)

Blue (95%)

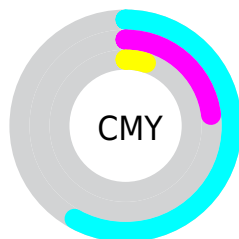


Cyan (55%)

Magenta (19%)

Yellow (0%)

Black (5%)



Cyan (58%)

Magenta (23%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9513, 49.0788, 91.2665 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 41.9513, 49.0788, 91.2665 by changing the saturation by 10% instead.

■ 41.9513, 49.0788,
91.2665

■ 41.9513, 49.0788,
91.2665

345.2761,
383.0525, 552.8182

■ 29.2541, 34.6820,
68.4519

■ 77.3915, 88.8085,
151.0472

■ 19.4184, 23.4180,
49.7965

■ 100.8653,
114.9101, 188.8505

■ 12.0788, 14.9025,
34.8817

■ 128.6619,
145.6822, 232.4870

■ 6.8699, 8.7510,
23.2889

161.1468,
181.5091, 282.3754

■ 3.4265, 4.5791,
14.5997

198.6854,
222.7751, 338.9342

■ 1.3831, 2.0025,
8.3954

241.6428,

■ 0.2441, 0.6089,

269.8648, 402.5819

4.2576

290.3846,
323.1624, 473.7370

■ 0.0000, 0.0000,
1.7677

■ 0.0000, 0.0000,
0.4065

■ 41.9513, 49.0788,
91.2665

■ 41.9513, 49.0788,
91.2665

■ 37.5843, 44.1232,
90.5411

■ 47.2420, 54.6666,
92.0671

■ 34.0649, 39.7552,
89.8834

■ 53.5147, 60.9160,
92.9428

■ 31.3123, 35.9315,
89.2905

■ 60.8280, 67.8608,
93.8978

■ 29.2248, 32.5972,
88.7569

■ 69.2347, 75.5303,
94.9351

■ 28.4126, 31.1816,
88.5265

■ 78.7836, 83.9520,
96.0574

■ 89.5204, 93.1517,
97.2672

■ 92.7584, 98.6534,
98.1584

■ 93.0272, 99.1909,
98.2480

Harmonies

Analogous

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



37.6229, 49.0788, 76.2319



41.9513, 49.0788, 91.2665



47.9140, 49.0788, 95.2809

Triad

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



41.9513, 49.0788, 91.2665



59.5894, 49.0788, 49.9248



39.9588, 49.0788, 30.2353

Complementary

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



41.9513, 49.0788, 91.2665



50.8819, 43.0732, 19.8214

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.



45.4043, 49.0788, 26.0880



41.9513, 49.0788, 91.2665



57.0118, 49.0788, 35.7122

Square

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



41.9513, 49.0788, 91.2665



58.4582, 49.0788, 68.6131



51.6826, 49.0788, 27.8430



36.5462, 49.0788, 40.6844

Rectangle

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



41.9513, 49.0788, 91.2665



52.0967, 49.0788, 90.5325



51.6826, 49.0788, 27.8430



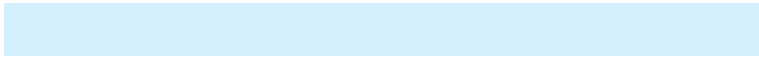
41.5929, 49.0788, 28.1779

Sweetspot

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



41.9529, 49.0806, 91.2677



76.2956, 83.5551, 106.7143



43.6603, 68.9826, 41.0088



15.9096, 17.5035, 22.7899



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.



41.9529, 49.0806, 91.2677



41.9699, 49.2666, 101.9051



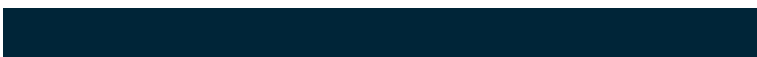
30.2402, 25.6551, 87.3634



15.7640, 16.9621, 20.1648



15.3954, 17.0151, 47.6007



1.3729, 1.5998, 3.9906

Inverse Universe

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



51.9458, 33.5897, 55.9719



54.7278, 32.0695, 56.2642



64.8318, 70.9730, 24.4714



16.2103, 15.9338, 18.6637



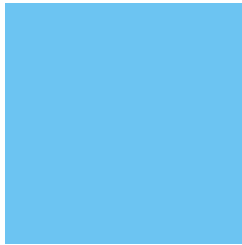
23.0965, 11.5110, 18.9566



1.9679, 0.9762, 1.8220

Previews

White Background



This preview shows how the XYZ color 41.9513, 49.0788, 91.2665 looks on a white background.

Color Contrast Check

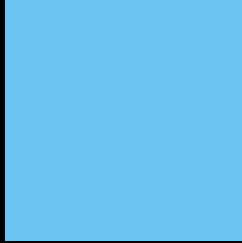
Large Text (above 18pt) WCAG AA × Fail

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 41.9513, 49.0788, 91.2665 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

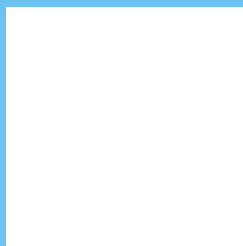
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.9513, 49.0788, 91.2665

Background



This preview shows how black text looks on a background with the XYZ color 41.9513, 49.0788, 91.2665.



This preview shows how white text looks on a background with the XYZ color 41.9513, 49.0788,

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

41.9513, 49.0788, 91.2665

Protanopia

48.8750, 48.6344, 83.9022

Deuteranopia

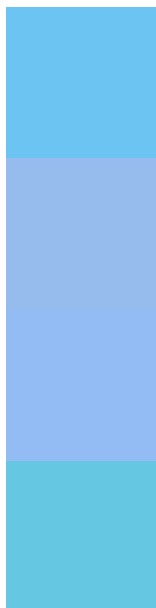
49.7869, 48.5945, 93.1418



Tritanopia

38.2157, 48.9150, 73.0730

Trichromacy



Original Color

41.9513, 49.0788, 91.2665

Protanomaly

45.5180, 48.4121, 86.3023

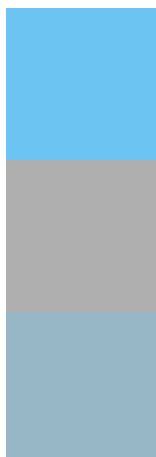
Deuteranomaly

46.1321, 48.2753, 92.4746

Tritanomaly

39.6304, 49.1626, 79.3521

Monochromacy



Original Color

41.9513, 49.0788, 91.2665

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.0048, 44.5698, 60.5272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9513, 49.0788, 91.2665 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(108, 196, 242)` looks like.

```
.text, #text, p{  
    color:rgb(108, 196, 242)  
}
```

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(108, 196, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 196, 242) }
```

Border

The CSS property to change the border of an element to XYZ 41.9513, 49.0788, 91.2665 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(108, 196, 242) }
```


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

```
.border{ border-color:rgb(108, 196, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 196, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 196, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 196, 242);  
box-shadow:4px 4px 4px 4px rgb(108, 196,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9513, 49.0788, 91.2665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 196, 242) }
```

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

```
.background{ background-color: rgb(108,  
196, 242) }
```

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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