

# Converting Colors

XYZ(48.6748, 54.6117, 91.1948)

Have a look what the booklet for  
XYZ(48.6748, 54.6117, 91.1948)  
contains.

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# **Color**

**XYZ(48.6748, 54.6117,  
91.1948)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91CAF1
RGB	145, 202, 241
RGB Percent	57%, 79%, 95%
CMY	0.4314, 0.2078, 0.0549
CMYK	0.40, 0.16, 0.00, 0.05
HSL	204°, 77%, 76%
HSV	204°, 40%, 95%
XYZ	48.6748, 54.6117, 91.1948
YIQ	189.4030, -46.4910, 0.0450

# Conversions

## Conversions Part 2

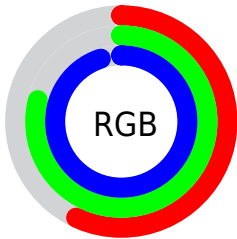
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	145, 181, 241
Decimal	9554673
CIE Lab	78.82, -8.66, -25.05
CIE LCh	79, 26.503, 250.917
Yxy	54.6117, 0.2503, 0.2808
Android (android.graphics.Color)	4287744753 (0xFF91CAF1)
YUV	189.4030, 25.4373, -38.9414
Hunter-Lab	73.8997, -11.7537, -21.4361

# Details

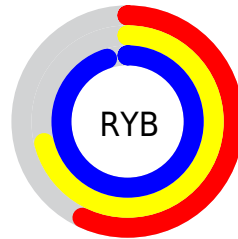
The XYZ color **48.6748, 54.6117, 91.1948** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.5282, 55.0273, 34.3264**, and the grayscale version is **48.4799, 51.0046, 55.5440**.

A 20% lighter version of the original color is **78.1671, 91.2966, 108.1099**, and **23.5633, 26.8563, 49.8408** is the 20% darker color. If you saturate the color by 10%, you get **42.6456, 48.2019, 90.2763**, and if you desaturate by 10%, it is **55.7540, 61.7815, 92.2066**.

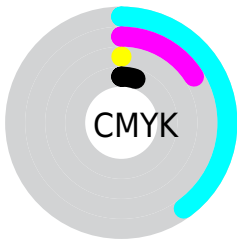
# Distribution



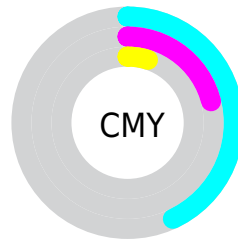
- Red (57%)
- Green (79%)
- Blue (95%)



- Red (57%)
- Yellow (71%)
- Blue (95%)



- Cyan (40%)
- Magenta (16%)
- Yellow (0%)
- Black (5%)



- Cyan (43%)
- Magenta (21%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6748, 54.6117, 91.1948 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 48.6748, 54.6117, 91.1948 by changing the saturation by 10% instead.



■ 48.6748, 54.6117,  
91.1948

■ 48.6748, 54.6117,  
91.1948

371.9989,  
404.4383, 552.5799

■ 34.5751, 39.0909,  
68.3927

■ 87.4119, 96.9718,  
150.9469

■ 23.5007, 26.8305,  
49.7486

■ 112.7800,  
124.5799, 188.7340

■ 15.0864, 17.4459,  
34.8439

142.6348,  
156.9859, 232.3533

■ 8.9667, 10.5529,  
23.2601

177.3419,  
194.5742, 282.2231

■ 4.7764, 5.7671,  
14.5786

217.2665,  
237.7292, 338.7622

■ 2.1501, 2.7040,  
8.3808

262.7739,

■ 0.7162, 0.9792,

286.8353, 402.3890

4.2483

314.2296,  
342.2769, 473.5221

■ 0.0000, 0.0000,  
1.7625

■ 0.0000, 0.0000,  
0.4031

■ 48.6748, 54.6117,  
91.1948

■ 48.6748, 54.6117,  
91.1948

■ 42.6456, 48.2019,  
90.2763

■ 55.7540, 61.7815,  
92.2066

■ 37.6009, 42.5109,  
89.4437

■ 63.9329, 69.7373,  
93.3111

■ 33.4758, 37.5022,  
88.6944

■ 73.2642, 78.5113,  
94.5128

■ 30.1941, 33.1324,  
88.0239

■ 83.7956, 88.1315,  
95.8147

■ 27.6658, 29.3507,  
87.4272

■ 91.6007, 96.5776,  
97.0336

■ 25.7441, 26.0769,  
86.8966

■ 92.8774, 99.1310,  
97.4591

■ 25.7144, 26.0250,  
86.8881

# Harmonies

## Analogous

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



44.6439, 54.6117, 80.4868



48.6748, 54.6117, 91.1948



53.8428, 54.6117, 92.6198

# Triad

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



48.6748, 54.6117, 91.1948



62.4669, 54.6117, 54.1524



45.5699, 54.6117, 40.1769

# Complementary

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



48.6748, 54.6117, 91.1948



58.5282, 55.0273, 34.3264

# 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.



50.0178, 54.6117, 35.3466



48.6748, 54.6117, 91.1948



59.9175, 54.6117, 42.4614

# Square

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



48.6748, 54.6117, 91.1948



62.0467, 54.6117, 69.4281



55.2788, 54.6117, 36.1056



42.9366, 54.6117, 50.5000



# Rectangle

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



48.6748, 54.6117, 91.1948



57.2699, 54.6117, 87.8846



55.2788, 54.6117, 36.1056



46.8894, 54.6117, 37.9427

# Sweetspot

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



48.6766, 54.6138, 91.1961



80.8364, 86.9748, 107.1350



51.7228, 72.3672, 56.2622



16.9968, 18.3308, 22.8923



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

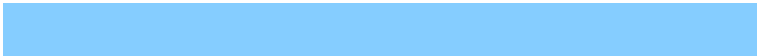


# Same Dimension

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



48.6766, 54.6138, 91.1961



49.5573, 55.9690, 102.7989



39.2107, 35.6822, 88.0408



15.6776, 16.7893, 20.1360



14.0800, 14.3843, 47.1622



1.2688, 1.3915, 3.9559



# Inverse Universe

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



57.0632, 43.2176, 61.2136



60.6257, 42.3469, 62.9111



70.0757, 78.1224, 38.1756



16.1667, 15.9164, 18.4341



22.4326, 11.2455, 15.4603

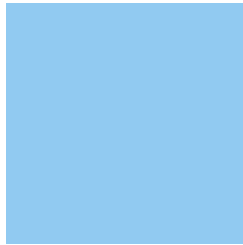


1.9154, 0.9552, 1.5451



# Previews

## White Background



This preview shows how the XYZ color 48.6748, 54.6117, 91.1948 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

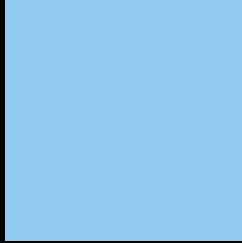
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.6748, 54.6117, 91.1948 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 48.6748, 54.6117, 91.1948

## Background



This preview shows how black text looks on a background with the XYZ color 48.6748, 54.6117, 91.1948.



This preview shows how white text looks on a background with the XYZ color 48.6748, 54.6117,



# 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

48.6748, 54.6117, 91.1948

### Protanopia

53.9288, 54.3947, 85.4988

### Deuteranopia

55.5475, 54.4240, 92.3712



## Tritanopia

45.8314, 54.5120, 77.2135

# Trichromacy



## Original Color

48.6748, 54.6117, 91.1948

## Protanomaly

51.6036, 54.1403, 87.8511

## Deuteranomaly

52.5554, 54.2117, 91.6983

## Tritanomaly

46.8911, 54.5937, 82.1949

# Monochromacy



## Original Color

48.6748, 54.6117, 91.1948

## Achromatopsia

48.3692, 50.8881, 55.4172

## Achromatomaly

47.9105, 52.0219, 67.1906

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.6748, 54.6117, 91.1948 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(145, 202, 241)` looks like.

```
.text, #text, p{  
    color:rgb(145, 202, 241)  
}
```

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(145, 202, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 202, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 48.6748, 54.6117, 91.1948 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(145, 202, 241) }
```



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

```
.border{ border-color:rgb(145, 202, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 202, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 202, 241); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 202, 241); box-shadow:4px 4px 4px 4px rgb(145, 202, 241) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.6748, 54.6117, 91.1948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 202, 241) }
```

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

```
.background{ background-color: rgb(145,  
202, 241) }
```

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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