

Converting Colors

XYZ(46.0089, 49.7295, 90.2802)

Have a look what the booklet for
XYZ(46.0089, 49.7295, 90.2802)
contains.

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Color

**XYZ(46.0545, 49.8898,
90.4214)**

Conversions

Conversions Part 1

Format	Color
Hex	8FC0F1
RGB	143, 192, 241
RGB Percent	56%, 75%, 95%
CMY	0.4392, 0.2470, 0.0549
CMYK	0.41, 0.20, 0.00, 0.05
HSL	210°, 78%, 75%
HSV	210°, 41%, 95%
XYZ	46.0545, 49.8898, 90.4214
YIQ	182.9350, -44.9330, 4.8510

Conversions

Conversions Part 2

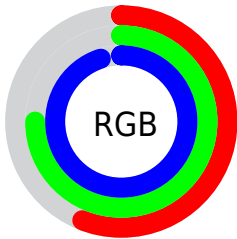
Format	Color
R _Y B	143, 176, 241
Decimal	9421041
CIE Lab	76.00, -3.84, -29.37
CIE LCh	76, 29.616, 262.550
Yxy	49.8898, 0.2471, 0.2677
Android (android.graphics.Color)	4287611121 (0xFF8FC0F1)
YUV	182.9350, 28.6260, -35.0230
Hunter-Lab	70.6327, -7.2203, -26.4580

Details

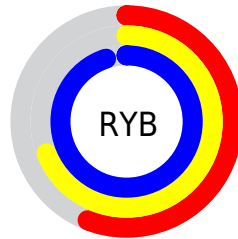
The XYZ color **46.0545, 49.8898, 90.4214** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.0843, 58.3844, 34.0908**, and the grayscale version is **44.8412, 47.1765, 51.3752**.

A 20% lighter version of the original color is **75.4368, 86.6342, 107.3539**, and **22.0141, 24.0427, 49.3794** is the 20% darker color. If you saturate the color by 10%, you get **39.7838, 42.8898, 89.4017**, and if you desaturate by 10%, it is **53.4413, 57.7888, 91.5576**.

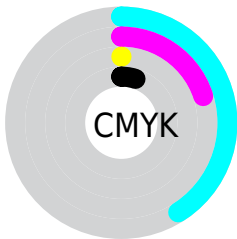
Distribution



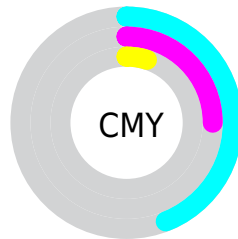
- Red (56%)
- Green (75%)
- Blue (95%)



- Red (56%)
- Yellow (69%)
- Blue (95%)



- Cyan (41%)
- Magenta (20%)
- Yellow (0%)
- Black (5%)



- Cyan (44%)
- Magenta (25%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0545, 49.8898, 90.4214 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 46.0545, 49.8898, 90.4214 by changing the saturation by 10% instead.

■ 46.0545, 49.8898,
90.4214

■ 46.0545, 49.8898,
90.4214

361.7400,
386.2348, 550.0061

■ 32.4936, 35.3258,
67.7545

■ 83.5279, 90.0116,
149.8642

■ 21.8962, 23.9140,
49.2326

■ 108.1712,
116.3382, 187.4773

■ 13.8968, 15.2698,
34.4371

137.2393,
147.3545, 230.9094

■ 8.1302, 9.0090,
22.9495

171.0976,
183.4448, 280.5793

■ 4.2309, 4.7470,
14.3513

210.1115,
224.9937, 336.9053

■ 1.8335, 2.0996,
8.2239

254.6463,

■ 0.5378, 0.6644,

272.3853, 400.3061

4.1487

305.0673,
326.0043, 471.2002

■ 0.0000, 0.0000,
1.7073

■ 0.0000, 0.0000,
0.3657

■ 46.0545, 49.8898,
90.4214

■ 46.0545, 49.8898,
90.4214

■ 39.7838, 42.8898,
89.4017

■ 53.4413, 57.7888,
91.5576

■ 34.5612, 36.7430,
88.4905

■ 61.9970, 66.6184,
92.8110

■ 30.3181, 31.4072,
87.6842

■ 71.7767, 76.4152,
94.1865

■ 26.9750, 26.8330,
86.9775

■ 82.8306, 87.2119,
95.6879

■ 24.4374, 22.9632,
86.3643

■ 92.0072, 97.3906,
97.1689

■ 22.6544, 19.9050,
85.8680

■ 92.8773, 99.1309,
97.4590

Harmonies

Analogous

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



41.2475, 49.8898, 82.2340



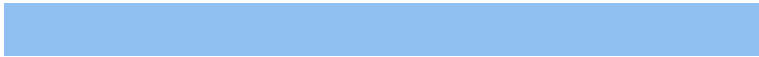
46.0545, 49.8898, 90.4214



51.6108, 49.8898, 87.5459

Triad

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



46.0545, 49.8898, 90.4214



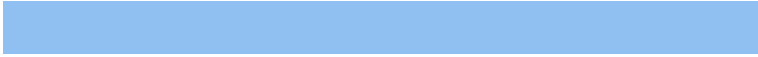
57.9229, 49.8898, 43.4688



39.4746, 49.8898, 37.8410

Complementary

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



46.0545, 49.8898, 90.4214



60.0843, 58.3844, 34.0908

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.



43.4601, 49.8898, 30.7880



46.0545, 49.8898, 90.4214



54.1768, 49.8898, 33.5698

Square

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



46.0545, 49.8898, 90.4214



58.7526, 49.8898, 58.3630



48.8097, 49.8898, 29.3924



37.6452, 49.8898, 50.4710

Rectangle

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



46.0545, 49.8898, 90.4214



54.9721, 49.8898, 79.9609



48.8097, 49.8898, 29.3924



40.5911, 49.8898, 34.8482

Sweetspot

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



46.0561, 49.8917, 90.4226



79.9865, 85.2751, 106.8517



52.1187, 72.4851, 60.1712



16.7968, 17.9307, 22.8256



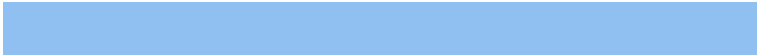
0.0000, 0.0000, 0.0000



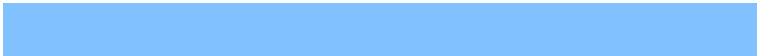
20.3446, 21.4041, 23.3091

Same Dimension

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



46.0561, 49.8917, 90.4226



46.2289, 49.9004, 101.8030



37.2759, 32.3311, 87.4958



15.5503, 16.5346, 20.0935



12.4198, 11.0639, 46.6088



1.1327, 1.1194, 3.9106

Inverse Universe

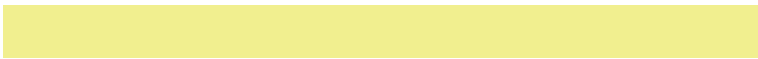
The Inverse Universe completely reimagines the original color for something new.



55.6139, 42.1531, 55.0763



58.8021, 41.0677, 55.0029



72.2085, 82.6329, 38.1322



16.1024, 15.8907, 18.0956



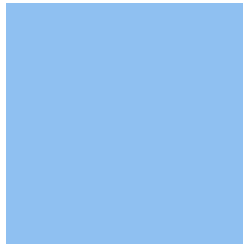
21.5946, 10.9103, 11.0475



1.8467, 0.9277, 1.1835

Previews

White Background



This preview shows how the XYZ color 46.0545, 49.8898, 90.4214 looks on a white background.

Color Contrast Check

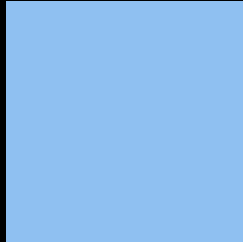
Large Text (above 18pt) WCAG AA × Fail

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 46.0545, 49.8898, 90.4214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

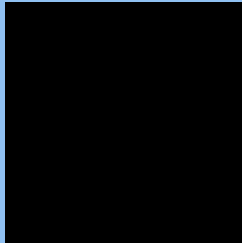
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

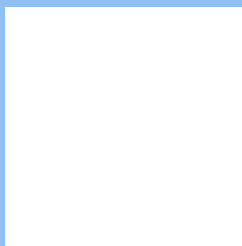
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.0545, 49.8898, 90.4214

Background



This preview shows how black text looks on a background with the XYZ color 46.0545, 49.8898, 90.4214.



This preview shows how white text looks on a background with the XYZ color 46.0545, 49.8898,

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

46.0545, 49.8898, 90.4214

Protanopia

49.9448, 49.7527, 86.3277

Deuteranopia

50.9973, 49.8660, 91.7313



Tritanopia

42.1298, 49.9708, 70.3756

Trichromacy



Original Color

46.0545, 49.8898, 90.4214

Protanomaly

48.5201, 49.9260, 87.9683

Deuteranomaly

48.9016, 49.7380, 91.0274

Tritanomaly

43.4819, 49.8469, 77.1417

Monochromacy



Original Color

46.0545, 49.8898, 90.4214

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

44.6064, 47.8023, 64.0025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0545, 49.8898, 90.4214 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(143, 192, 241)` looks like.

```
.text, #text, p{  
    color:rgb(143, 192, 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(143, 192, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 192, 241) }
```

Border

The CSS property to change the border of an element to XYZ 46.0545, 49.8898, 90.4214 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(143, 192, 241) }
```


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

```
.border{ border-color:rgb(143, 192, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 192, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 192, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 192, 241);  
box-shadow:4px 4px 4px 4px rgb(143, 192,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0545, 49.8898, 90.4214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 192, 241) }
```

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

```
.background{ background-color: rgb(143,  
192, 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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