

Converting Colors

XYZ(45.1853, 48.4861, 90.2581)

Have a look what the booklet for
XYZ(45.1853, 48.4861, 90.2581)
contains.

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Color

**XYZ(45.2301, 48.4968,
90.1960)**

Conversions

Conversions Part 1

Format	Color
Hex	8EBDF1
RGB	142, 189, 241
RGB Percent	56%, 74%, 95%
CMY	0.4431, 0.2588, 0.0549
CMYK	0.41, 0.22, 0.00, 0.05
HSL	212°, 78%, 75%
HSV	212°, 41%, 95%
XYZ	45.2301, 48.4968, 90.1960
YIQ	180.8750, -44.7040, 6.2080

Conversions

Conversions Part 2

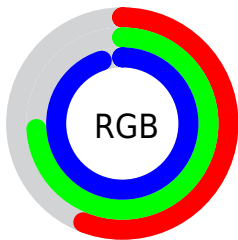
Format	Color
R_{YB}	142, 174, 241
Decimal	9354737
CIE _{Lab}	75.14, -2.47, -30.70
CIE _{LCh}	75, 30.799, 265.397
Yxy	48.4968, 0.2459, 0.2637
Android (android.graphics.Color)	4287544817 (0xFF8EBDF1)
YUV	180.8750, 29.6416, -34.0934
Hunter-Lab	69.6396, -5.9358, -28.0436

Details

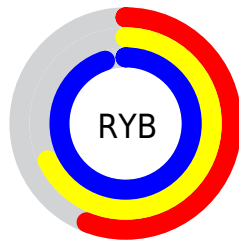
The XYZ color **45.2301, 48.4968, 90.1960** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.4512, 59.2388, 33.8411**, and the grayscale version is **43.7171, 45.9938, 50.0872**.

A 20% lighter version of the original color is **74.2556, 84.6669, 107.0364**, and **21.3989, 23.0895, 49.2278** is the 20% darker color. If you saturate the color by 10%, you get **38.9286, 41.3817, 89.1557**, and if you desaturate by 10%, it is **52.6664, 56.5517, 91.3597**.

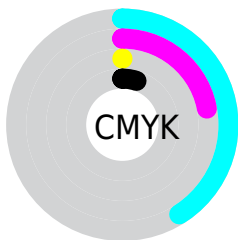
Distribution



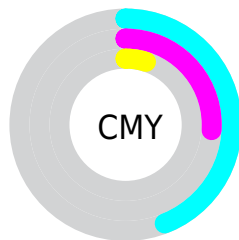
- Red (56%)
- Green (74%)
- Blue (95%)



- Red (56%)
- Yellow (68%)
- Blue (95%)



- Cyan (41%)
- Magenta (22%)
- Yellow (0%)
- Black (5%)



- Cyan (44%)
- Magenta (26%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2301, 48.4968, 90.1960 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 45.2301, 48.4968, 90.1960 by changing the saturation by 10% instead.

■ 45.2301, 48.4968,
90.1960

■ 45.2301, 48.4968,
90.1960

358.4727,
380.7580, 549.2548

■ 31.8408, 34.2205,
67.5686

■ 82.3005, 87.9436,
149.5485

■ 21.3949, 23.0630,
49.0823

■ 106.7123,
113.8829, 187.1107

■ 13.5270, 14.6401,
34.3187

135.5290,
144.4787, 230.4882

■ 7.8719, 8.5672,
22.8592

169.1159,
180.1153, 280.0996

■ 4.0642, 4.4600,
14.2853

207.8383,
221.1771, 336.3634

■ 1.7385, 1.9340,
8.1783

252.0617,

■ 0.4802, 0.5687,

268.0486, 399.6982

4.1199

302.1514,
321.1140, 470.5225

■ 0.0000, 0.0000,
1.6913

■ 0.0000, 0.0000,
0.3548

■ 45.2301, 48.4968,
90.1960

■ 45.2301, 48.4968,
90.1960

■ 38.9286, 41.3817,
89.1557

■ 52.6664, 56.5517,
91.3597

■ 33.6927, 35.1589,
88.2305

■ 61.2914, 65.5799,
92.6477

■ 29.4528, 29.7841,
87.4165

■ 71.1613, 75.6196,
94.0654

■ 26.1278, 25.2056,
86.7080

■ 82.3268, 86.7052,
95.6166

■ 23.6212, 21.3636,
86.0986

■ 92.0208, 97.4178,
97.1735

■ 21.9416, 18.4794,
85.6304

■ 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.



40.2078, 48.4968, 82.7078



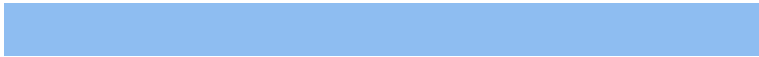
45.2301, 48.4968, 90.1960



50.9028, 48.4968, 86.1144

Triad

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



45.2301, 48.4968, 90.1960



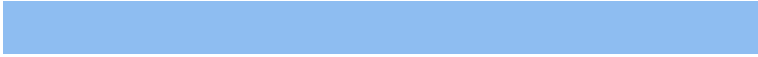
56.5990, 48.4968, 40.5758



37.7342, 48.4968, 37.0614

Complementary

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



45.2301, 48.4968, 90.1960



60.4512, 59.2388, 33.8411

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.



41.5994, 48.4968, 29.4285



45.2301, 48.4968, 90.1960



52.5300, 48.4968, 31.1485

Square

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



45.2301, 48.4968, 90.1960



57.7683, 48.4968, 55.3361



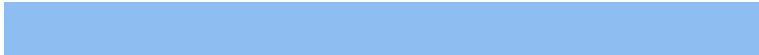
46.9704, 48.4968, 27.5075



36.1103, 48.4968, 50.3518

Rectangle

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



45.2301, 48.4968, 90.1960



54.2530, 48.4968, 77.7469



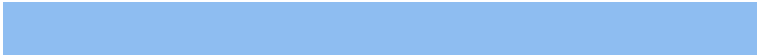
46.9704, 48.4968, 27.5075



38.7983, 48.4968, 33.8645

Sweetspot

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



45.2317, 48.4986, 90.1971



79.7598, 84.8217, 106.7762



52.2544, 72.5195, 61.7850



16.7435, 17.8241, 22.8079



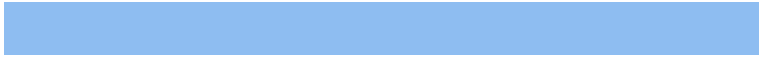
0.0000, 0.0000, 0.0000



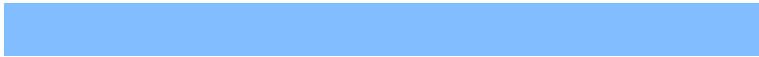
20.3446, 21.4041, 23.3091

Same Dimension

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



45.2317, 48.4986, 90.1971



45.5409, 48.5243, 101.5736



36.9924, 31.5965, 87.3690



15.5162, 16.4666, 20.0822



12.0313, 10.2869, 46.4793



1.0998, 1.0537, 3.8996

Inverse Universe

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



55.1353, 41.7226, 53.2932



58.4548, 40.9288, 53.1741



72.0537, 83.2763, 37.8693



16.0853, 15.8838, 18.0052



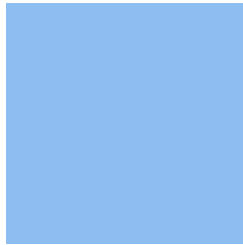
21.3985, 10.8318, 10.0149



1.8301, 0.9211, 1.0961

Previews

White Background



This preview shows how the XYZ color 45.2301, 48.4968, 90.1960 looks on a white background.

Color Contrast Check

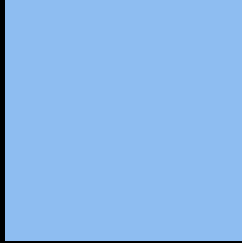
Large Text (above 18pt) WCAG AA × Fail

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 45.2301, 48.4968, 90.1960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

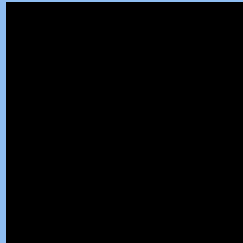
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

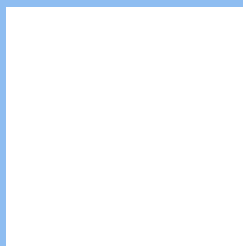
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.2301, 48.4968, 90.1960

Background



This preview shows how black text looks on a background with the XYZ color 45.2301, 48.4968, 90.1960.



This preview shows how white text looks on a background with the XYZ color 45.2301, 48.4968,

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

45.2301, 48.4968, 90.1960

Protanopia

48.6629, 48.1700, 86.0898

Deuteranopia

49.4961, 48.1767, 91.4843



Tritanopia

40.9795, 48.7517, 68.2229

Trichromacy



Original Color

45.2301, 48.4968, 90.1960

Protanomaly

47.2788, 48.3446, 87.7285

Deuteranomaly

47.6647, 48.1654, 90.7890

Tritanomaly

42.4376, 48.6788, 75.5659

Monochromacy



Original Color

45.2301, 48.4968, 90.1960

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.8563, 46.8083, 63.2233

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2301, 48.4968, 90.1960 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(142, 189, 241)` looks like.

```
.text, #text, p{  
    color:rgb(142, 189, 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(142, 189, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 189, 241) }
```

Border

The CSS property to change the border of an element to XYZ 45.2301, 48.4968, 90.1960 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(142, 189, 241) }
```


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

```
.border{ border-color:rgb(142, 189, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 189, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 189, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 189, 241);  
box-shadow:4px 4px 4px 4px rgb(142, 189,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2301, 48.4968, 90.1960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 189, 241) }
```

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

```
.background{ background-color: rgb(142,  
189, 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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