

Converting Colors

XYZ(48.7853, 53.2589, 91.2793)

Have a look what the booklet for
XYZ(48.7853, 53.2589, 91.2793)
contains.

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Color

**XYZ(48.6489, 53.2231,
90.9281)**

Conversions

Conversions Part 1

Format	Color
Hex	96C6F1
RGB	150, 198, 241
RGB Percent	59%, 78%, 95%
CMY	0.4118, 0.2235, 0.0549
CMYK	0.38, 0.18, 0.00, 0.05
HSL	208°, 76%, 77%
HSV	208°, 38%, 95%
XYZ	48.6489, 53.2231, 90.9281
YIQ	188.5500, -42.4110, 3.1970

Conversions

Conversions Part 2

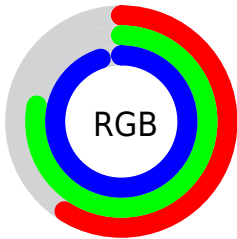
Format	Color
RYB	150, 181, 241
Decimal	9881329
CIELab	78.01, -5.24, -26.26
CIELCh	78, 26.778, 258.711
Yxy	53.2231, 0.2523, 0.2761
Android (android.graphics.Color)	4288071409 (0xFF96C6F1)
YUV	188.5500, 25.8579, -33.8083
Hunter-Lab	72.9542, -8.6385, -22.8295

Details

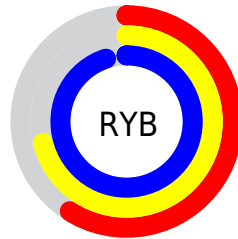
The XYZ color **48.6489, 53.2231, 90.9281** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.8516, 59.0435, 37.0450**, and the grayscale version is **47.9889, 50.4880, 54.9815**.

A 20% lighter version of the original color is **79.5421, 92.0054, 108.1742**, and **23.4495, 25.8822, 49.6588** is the 20% darker color. If you saturate the color by 10%, you get **42.1563, 46.1572, 89.9074**, and if you desaturate by 10%, it is **56.2526, 61.1547, 92.0592**.

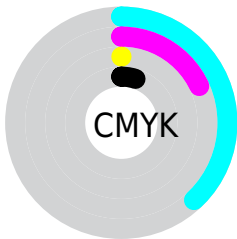
Distribution



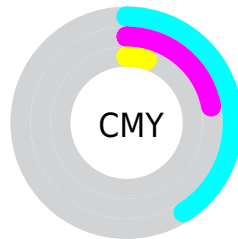
- Red (59%)
- Green (78%)
- Blue (95%)



- Red (59%)
- Yellow (71%)
- Blue (95%)



- Cyan (38%)
- Magenta (18%)
- Yellow (0%)
- Black (5%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6489, 53.2231, 90.9281 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 48.6489, 53.2231, 90.9281 by changing the saturation by 10% instead.

■ 48.6489, 53.2231,
90.9281

■ 48.6489, 53.2231,
90.9281

371.8984,
399.1405, 551.6931

■ 34.5544, 37.9809,
68.1726

■ 87.3736, 94.9326,
150.5737

■ 23.4848, 25.9679,
49.5706

■ 112.7346,
122.1686, 188.3008

■ 15.0745, 16.7996,
34.7036

142.5818,
154.1715, 231.8556

■ 8.9584, 10.0917,
23.1529

177.2806,
191.3254, 281.6566

■ 4.7709, 5.4598,
14.5001

217.1962,
234.0149, 338.1223

■ 2.1469, 2.5195,
8.3266

262.6942,

■ 0.7145, 0.8864,

282.6243, 401.6713

4.2139

314.1398,
337.5380, 472.7220

■ 0.0000, 0.0000,
1.7434

■ 0.0000, 0.0000,
0.3902

■ 48.6489, 53.2231,
90.9281

■ 48.6489, 53.2231,
90.9281

■ 42.1563, 46.1572,
89.9074

■ 56.2526, 61.1547,
92.0592

■ 36.7091, 39.9132,
88.9893

■ 65.0179, 69.9806,
93.3008

■ 32.2420, 34.4521,
88.1706

■ 74.9983, 79.7356,
94.6577

■ 28.6794, 29.7281,
87.4466

■ 86.2420, 90.4503,
96.1332

■ 25.9329, 25.6886,
86.8116

■ 92.8588, 99.0938,
97.4529

■ 23.8849, 22.2655,
86.2588

■ 92.8774, 99.1309,
97.4591

■ 23.4829, 21.5620,
86.1442

Harmonies

Analogous

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



44.2535, 53.2231, 82.3230



48.6489, 53.2231, 90.9281



53.8729, 53.2231, 89.6350

Triad

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



48.6489, 53.2231, 90.9281



60.6931, 53.2231, 49.2166



43.4191, 53.2231, 40.9889

Complementary

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



48.6489, 53.2231, 90.9281



60.8516, 59.0435, 37.0450

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.



47.4374, 53.2231, 34.7810



48.6489, 53.2231, 90.9281



57.4976, 53.2231, 38.9372

Square

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



48.6489, 53.2231, 90.9281



61.0733, 53.2231, 63.7576



52.5758, 53.2231, 34.1009



41.3754, 53.2231, 52.5079

Rectangle

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



48.6489, 53.2231, 90.9281



57.1219, 53.2231, 83.3774



52.5758, 53.2231, 34.1009



44.5705, 53.2231, 38.3033

Sweetspot

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



48.6506, 53.2252, 90.9293



81.3894, 86.8959, 107.0907



53.6005, 73.2223, 61.4504



17.0862, 18.2733, 22.8765



0.0000, 0.0000, 0.0000



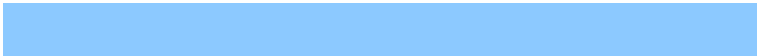
20.3446, 21.4041, 23.3091

Same Dimension

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



48.6506, 53.2252, 90.9293



49.7426, 54.4876, 102.5032



39.8530, 35.6298, 87.9968



15.5874, 16.6090, 20.1059



12.8704, 11.9650, 46.7590



1.1703, 1.1945, 3.9231

Inverse Universe

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



57.3764, 44.5922, 59.0114



61.1713, 44.2960, 60.4481



72.3465, 82.0335, 40.8767



16.1212, 15.8982, 18.1944



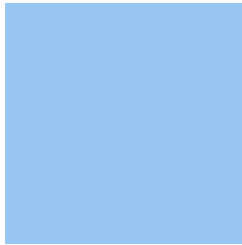
21.8220, 11.0012, 12.2451



1.8656, 0.9353, 1.2834

Previews

White Background



This preview shows how the XYZ color 48.6489, 53.2231, 90.9281 looks on a white background.

Color Contrast Check

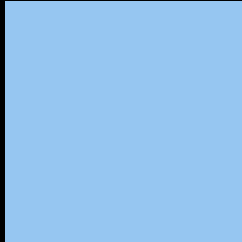
Large Text (above 18pt) WCAG AA × Fail

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 48.6489, 53.2231, 90.9281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

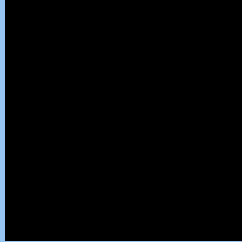
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.6489, 53.2231, 90.9281

Background



This preview shows how black text looks on a background with the XYZ color 48.6489, 53.2231, 90.9281.



This preview shows how white text looks on a background with the XYZ color 48.6489, 53.2231,

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

48.6489, 53.2231, 90.9281

Protanopia

52.8452, 52.8281, 86.7685

Deuteranopia

54.3828, 53.1805, 92.1926



Tritanopia

45.2770, 53.2323, 74.2182

Trichromacy



Original Color

48.6489, 53.2231, 90.9281

Protanomaly

51.0801, 52.8590, 88.3995

Deuteranomaly

51.8899, 52.8807, 91.4765

Tritanomaly

46.4682, 53.3753, 79.8048

Monochromacy



Original Color

48.6489, 53.2231, 90.9281

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.9140, 51.3673, 67.0641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6489, 53.2231, 90.9281 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(150, 198, 241)` looks like.

```
.text, #text, p{  
    color:rgb(150, 198, 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(150, 198, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 198, 241) }
```

Border

The CSS property to change the border of an element to XYZ 48.6489, 53.2231, 90.9281 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(150, 198, 241) }
```


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

```
.border{ border-color:rgb(150, 198, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 198, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 198, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 198, 241);  
box-shadow:4px 4px 4px 4px rgb(150, 198,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6489, 53.2231, 90.9281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 198, 241) }
```

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

```
.background{ background-color: rgb(150,  
198, 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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