

Converting Colors

XYZ(51.4456, 49.9551, 91.5741)

Have a look what the booklet for
XYZ(51.4456, 49.9551, 91.5741)
contains.

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Color

**XYZ(51.6782, 50.2170,
91.7631)**

Conversions

Conversions Part 1

Format	Color
Hex	B2B8F3
RGB	178, 184, 243
RGB Percent	70%, 72%, 95%
CMY	0.3019, 0.2784, 0.0471
CMYK	0.27, 0.24, 0.00, 0.05
HSL	234°, 73%, 83%
HSV	234°, 27%, 95%
XYZ	51.6782, 50.2170, 91.7631
YIQ	188.9320, -22.5150, 17.0770

Conversions

Conversions Part 2

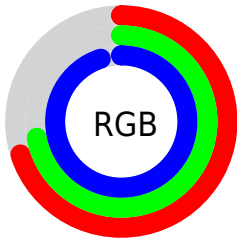
Format	Color
RYB	178, 183, 243
Decimal	11712755
CIELab	76.20, 10.67, -29.95
CIElCh	76, 31.790, 289.612
Yxy	50.2170, 0.2669, 0.2593
Android (android.graphics.Color)	4289902835 (0xFFB2B8F3)
YUV	188.9320, 26.6555, -9.5874
Hunter-Lab	70.8640, 6.1609, -27.1710

Details

The XYZ color **51.6782, 50.2170, 91.7631** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **75.2829, 82.8378, 54.1425**, and the grayscale version is **48.1939, 50.7038, 55.2164**.

A 20% lighter version of the original color is **83.4710, 87.2023, 107.0401**, and **25.3981, 24.1055, 50.3279** is the 20% darker color. If you saturate the color by 10%, you get **42.3588, 39.1341, 90.1159**, and if you desaturate by 10%, it is **62.7029, 63.2417, 93.6969**.

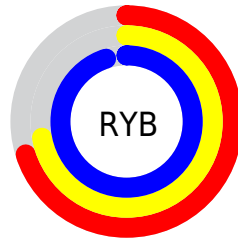
Distribution



Red (70%)

Green (72%)

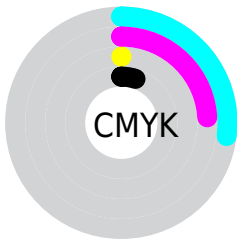
Blue (95%)



Red (70%)

Yellow (72%)

Blue (95%)

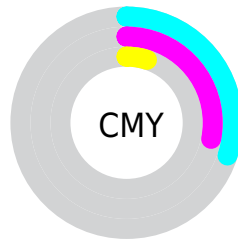


Cyan (27%)

Magenta (24%)

Yellow (0%)

Black (5%)



Cyan (30%)

Magenta (28%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6782, 50.2170, 91.7631 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 51.6782, 50.2170, 91.7631 by changing the saturation by 10% instead.

■ 51.6782, 50.2170,
91.7631

■ 51.6782, 50.2170,
91.7631

383.5374,
387.5139, 554.4670

■ 36.9719, 35.5858,
68.8619

■ 91.8335, 90.4963,
151.7419

■ 25.3593, 24.1145,
50.1282

118.0132,
116.9133, 189.6565

■ 16.4751, 15.4186,
35.1434

148.7481,
148.0276, 233.4128

■ 9.9539, 9.1137,
23.4889

184.4035,
184.2237, 283.4292

■ 5.4305, 4.8154,
14.7463

225.3448,
225.8860, 340.1243

■ 2.5393, 2.1394,
8.4969

271.9373,

■ 0.9151, 0.6866,

273.3989, 403.9166

4.3222

324.5464,
327.1467, 475.2247

■ 0.0000, 0.0000,
1.8037

■ 0.0000, 0.0000,
0.4304

■ 51.6782, 50.2170,
91.7631

■ 51.6782, 50.2170,
91.7631

■ 42.3588, 39.1341,
90.1159

■ 62.7029, 63.2417,
93.6969

■ 34.6545, 29.8940,
88.7385

■ 75.5069, 78.2888,
95.9264

■ 28.4745, 22.3984,
87.6174

■ 90.1662, 95.4416,
98.4646

■ 23.7168, 16.5369,
86.7368

■ 93.1778, 99.2511,
99.0412

■ 20.2671, 12.1868,
86.0789

■ 17.9928, 9.2076,
85.6237

■ 16.7311, 7.4309,
85.3473

■ 16.4731, 7.0617,
85.2897

Harmonies

Analogous

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



45.6941, 50.2170, 93.7046



51.6782, 50.2170, 91.7631



56.9959, 50.2170, 78.8055

Triad

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



51.6782, 50.2170, 91.7631



55.5426, 50.2170, 33.3056



37.3271, 50.2170, 48.9736

Complementary

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



51.6782, 50.2170, 91.7631



75.2829, 82.8378, 54.1425

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.



39.5266, 50.2170, 36.0582



51.6782, 50.2170, 91.7631



49.8250, 50.2170, 28.3435

Square

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



51.6782, 50.2170, 91.7631



59.3523, 50.2170, 44.3904



43.9877, 50.2170, 29.2336



37.7331, 50.2170, 66.4431

Rectangle

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



51.6782, 50.2170, 91.7631



59.2909, 50.2170, 66.9201



43.9877, 50.2170, 29.2336



37.7786, 50.2170, 44.0278

Sweetspot

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



51.6798, 50.2190, 91.7643



82.3138, 85.0838, 106.6922



65.6249, 79.6524, 91.6549



17.1378, 17.6473, 22.7530



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.



51.6798, 50.2190, 91.7643



51.8826, 49.1707, 101.3641



57.0012, 51.1507, 91.6636



15.7042, 16.1726, 20.8365



9.0822, 3.9582, 46.8234



0.8391, 0.4297, 4.1289

Inverse Universe

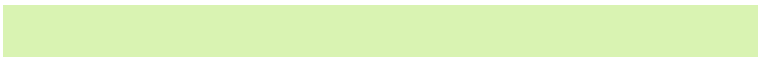
The Inverse Universe completely reimagines the original color for something new.



61.5356, 54.3577, 52.5983



64.5941, 54.6343, 50.8214



68.7029, 82.0683, 54.3407



16.5613, 16.5074, 17.4362



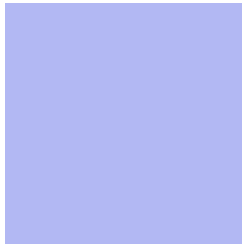
20.3888, 10.4990, 1.4899



1.8126, 0.9310, 0.2397

Previews

White Background



This preview shows how the XYZ color 51.6782, 50.2170, 91.7631 looks on a white background.

Color Contrast Check

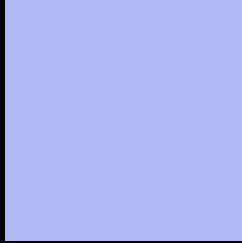
Large Text (above 18pt) WCAG AA × Fail

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 51.6782, 50.2170, 91.7631 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 51.6782, 50.2170, 91.7631

Background



This preview shows how black text looks on a background with the XYZ color 51.6782, 50.2170, 91.7631.



This preview shows how white text looks on a background with the XYZ color 51.6782, 50.2170,

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

51.6782, 50.2170, 91.7631

Protanopia

50.9013, 50.4201, 92.6372

Deuteranopia

51.4496, 50.0992, 91.7524



Tritanopia

46.5660, 50.3758, 65.6617

Trichromacy



Original Color

51.6782, 50.2170, 91.7631

Protanomaly

51.1337, 50.2282, 92.5879

Deuteranomaly

51.4496, 50.0992, 91.7524

Tritanomaly

48.2250, 50.0796, 74.1424

Monochromacy



Original Color

51.6782, 50.2170, 91.7631

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

49.2865, 50.4584, 67.4634

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6782, 50.2170, 91.7631 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(178, 184, 243)` looks like.

```
.text, #text, p{  
    color:rgb(178, 184, 243)  
}
```

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(178, 184, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 184, 243) }
```

Border

The CSS property to change the border of an element to XYZ 51.6782, 50.2170, 91.7631 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(178, 184, 243) }
```


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

```
.border{ border-color:rgb(178, 184, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 184, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 184, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 184, 243); box-shadow:4px 4px 4px 4px rgb(178, 184, 243) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6782, 50.2170, 91.7631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 184, 243) }
```

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

```
.background{ background-color: rgb(178,  
184, 243) }
```

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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