

Converting Colors

XYZ(18.5672, 11.0089, 80.9457)

Have a look what the booklet for
XYZ(18.5672, 11.0089, 80.9457)
contains.

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Color

**XYZ(18.5865, 10.9750,
81.2595)**

Conversions

Conversions Part 1

Format	Color
Hex	2F45ED
RGB	47, 69, 237
RGB Percent	18%, 27%, 93%
CMY	0.8156, 0.7294, 0.0706
CMYK	0.80, 0.71, 0.00, 0.07
HSL	233°, 84%, 56%
HSV	233°, 80%, 93%
XYZ	18.5865, 10.9750, 81.2595
YIQ	81.5740, -67.0400, 47.5840

Conversions

Conversions Part 2

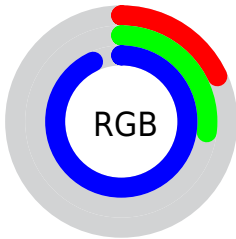
Format	Color
R _Y B	47, 67, 237
Decimal	3098093
CIE Lab	39.54, 50.83, -85.66
CIE LCh	40, 99.602, 300.684
Yxy	10.9750, 0.1677, 0.0990
Android (android.graphics.Color)	4281288173 (0xFF2F45ED)
YUV	81.5740, 76.6250, -30.3214
Hunter-Lab	33.1285, 42.1711, -122.2398

Details

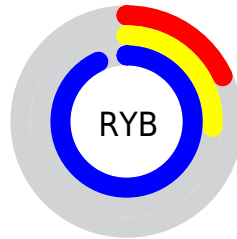
The XYZ color **18.5865, 10.9750, 81.2595** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **59.7445, 66.8216, 12.4403**, and the grayscale version is **7.7981, 8.2042, 8.9344**.

A 20% lighter version of the original color is **33.1326, 24.6125, 97.6121**, and **8.5649, 3.9486, 43.4907** is the 20% darker color. If you saturate the color by 10%, you get **16.7054, 8.4175, 80.8654**, and if you desaturate by 10%, it is **21.5165, 14.7483, 81.8337**.

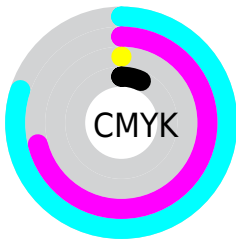
Distribution



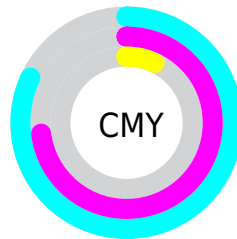
- Red (18%)
- Green (27%)
- Blue (93%)



- Red (18%)
- Yellow (26%)
- Blue (93%)



- Cyan (80%)
- Magenta (71%)
- Yellow (0%)
- Black (7%)



- Cyan (82%)
- Magenta (73%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5865, 10.9750, 81.2595 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 18.5865, 10.9750, 81.2595 by changing the saturation by 10% instead.

■ 18.5865, 10.9750,
81.2595

■ 18.5865, 10.9750,
81.2595

237.1386,
197.4960, 518.9856

■ 11.4741, 6.0500,
60.2231

■ 40.5565, 27.6139,
136.9624

■ 6.4563, 2.8755,
43.1720

■ 56.1448, 40.0967,
172.4660

■ 3.1678, 1.0671,
29.6877

■ 75.2892, 55.8675,
213.6291

■ 1.2431, 0.0000,
19.3516

■ 98.3549, 75.3107,
260.8702

■ 0.1400, 0.0000,
11.7452

■ 125.7073, 98.8108,
314.6079

■ 0.0000, 0.0000,
6.4500

157.7118,

■ 0.0000, 0.0000,

126.7521, 375.2606

3.0474

194.7338,
159.5190, 443.2471

■ 0.0000, 0.0000,
1.1189

■ 0.0000, 0.0000,
0.0000

■ 18.5865, 10.9750,
81.2595

■ 18.5865, 10.9750,
81.2595

■ 16.7054, 8.4175,
80.8654

■ 21.5165, 14.7483,
81.8337

■ 15.6877, 6.9177,
80.6295

■ 25.6203, 19.8664,
82.6053

■ 31.0074, 26.4422,
83.5907

■ 37.7738, 34.5761,
84.8040

■ 46.0065, 44.3599,
86.2586

■ 55.7850, 55.8780,
87.9664

■ 67.1834, 69.2090,
89.9388

■ 80.2706, 84.4267,
92.1864

■ 92.2861, 98.8944,
94.3456

Harmonies

Analogous

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



10.5877, 10.9750, 101.4650



18.5865, 10.9750, 81.2595



26.4012, 10.9750, 41.0848

Triad

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



18.5865, 10.9750, 81.2595



18.1934, 10.9750, 0.0000



2.0773, 10.9750, 12.4008

Complementary

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



18.5865, 10.9750, 81.2595



59.7445, 66.8216, 12.4403

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.



2.6990, 10.9750, 1.4120



18.5865, 10.9750, 81.2595



10.2767, 10.9750, 0.0000

Square

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



18.5865, 10.9750, 81.2595



26.1135, 10.9750, 1.2343



5.0979, 10.9750, 0.0000



2.7626, 10.9750, 42.8673

Rectangle

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



18.5865, 10.9750, 81.2595



29.2777, 10.9750, 19.0595



5.0979, 10.9750, 0.0000



2.1361, 10.9750, 6.8730

Sweetspot

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



18.5872, 10.9752, 81.2598



61.1056, 60.3804, 103.0417



43.7021, 66.0712, 74.6291



12.2056, 11.8944, 21.9025



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.



18.5872, 10.9752, 81.2598



18.8876, 8.7056, 95.2926



24.0276, 12.1309, 81.1962



14.3715, 14.8295, 19.0272



8.6128, 3.8726, 44.0365



0.7226, 0.3966, 3.4733

Inverse Universe

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



37.0165, 20.4687, 7.6297



41.7090, 21.6248, 3.8538



46.1435, 68.6850, 13.5168



15.1363, 15.0824, 16.0032



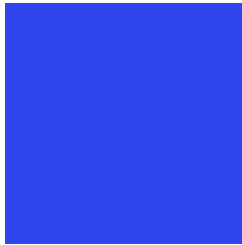
19.2026, 9.8837, 1.6025



1.5312, 0.7855, 0.2488

Previews

White Background



This preview shows how the XYZ color 18.5865, 10.9750, 81.2595 looks on a white background.

Color Contrast Check

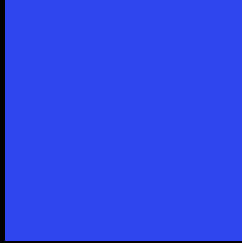
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 18.5865, 10.9750, 81.2595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

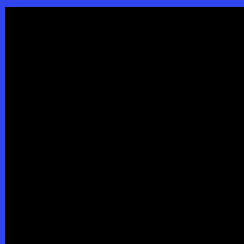
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.5865, 10.9750, 81.2595

Background



This preview shows how black text looks on a background with the XYZ color 18.5865, 10.9750, 81.2595.



This preview shows how white text looks on a background with the XYZ color 18.5865, 10.9750,

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

18.5865, 10.9750, 81.2595

Protanopia

12.5420, 10.7326, 48.4243

Deuteranopia

10.4374, 10.7225, 34.7772



Tritanopia

7.4581, 10.5855, 15.8375

Trichromacy



Original Color

18.5865, 10.9750, 81.2595

Protanomaly

14.2679, 10.5615, 59.0442

Deuteranomaly

12.6361, 10.4056, 48.9194

Tritanomaly

9.8037, 9.7981, 32.3848

Monochromacy



Original Color

18.5865, 10.9750, 81.2595

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

9.6956, 8.4079, 25.1566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5865, 10.9750, 81.2595 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(47, 69, 237)` looks like.

```
.text, #text, p{  
    color:rgb(47, 69, 237)  
}
```

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(47, 69, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 69, 237) }
```

Border

The CSS property to change the border of an element to XYZ 18.5865, 10.9750, 81.2595 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(47, 69, 237) }
```


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

```
.border{ border-color:rgb(47, 69, 237) }
```

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

Here you see how a box with a 4 pixel rgb(47, 69, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 69, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 69, 237);  
box-shadow:4px 4px 4px 4px rgb(47, 69,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5865, 10.9750, 81.2595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 69, 237) }
```

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

```
.background{ background-color: rgb(47, 69,  
237) }
```

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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