

Converting Colors

XYZ(18.2202, 10.9883, 76.9015)

Have a look what the booklet for
XYZ(18.2202, 10.9883, 76.9015)
contains.

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Color

**XYZ(18.1895, 10.9621,
76.7585)**

Conversions

Conversions Part 1

Format	Color
Hex	3746E7
RGB	55, 70, 231
RGB Percent	22%, 27%, 91%
CMY	0.7843, 0.7255, 0.0941
CMYK	0.76, 0.70, 0.00, 0.09
HSL	235°, 79%, 56%
HSV	235°, 76%, 91%
XYZ	18.1895, 10.9621, 76.7585
YIQ	83.8690, -60.6210, 46.8910

Conversions

Conversions Part 2

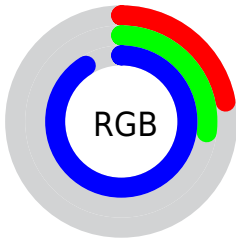
Format	Color
R_{YB}	55, 69, 231
Decimal	3622631
CIE _{Lab}	39.52, 48.84, -82.28
CIE _{LCh}	40, 95.685, 300.692
Yxy	10.9621, 0.1717, 0.1035
Android (android.graphics.Color)	4281812711 (0xFF3746E7)
YUV	83.8690, 72.5356, -25.3181
Hunter-Lab	33.1091, 40.1237, -114.2788

Details

The XYZ color **18.1895, 10.9621, 76.7585** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark washed blue. A complement of this color would be **58.2047, 66.3843, 13.3618**, and the grayscale version is **8.2653, 8.6957, 9.4697**.

A 20% lighter version of the original color is **33.5489, 25.0028, 97.6656**, and **7.9876, 3.7513, 40.3475** is the 20% darker color. If you saturate the color by 10%, you get **16.1095, 8.2606, 76.3470**, and if you desaturate by 10%, it is **21.3274, 14.8987, 77.3533**.

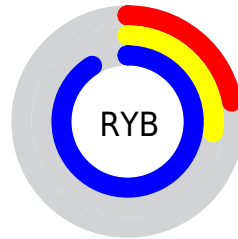
Distribution



Red (22%)

Green (27%)

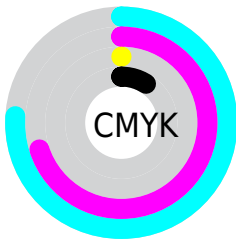
Blue (91%)



Red (22%)

Yellow (27%)

Blue (91%)

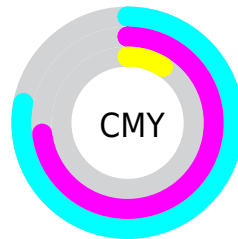


Cyan (76%)

Magenta (70%)

Yellow (0%)

Black (9%)



Cyan (78%)

Magenta (73%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1895, 10.9621, 76.7585 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 18.1895, 10.9621, 76.7585 by changing the saturation by 10% instead.

■ 18.1895, 10.9621,
76.7585

■ 18.1895, 10.9621,
76.7585

234.9620,
197.4074, 503.3560

■ 11.1866, 6.0414,
56.5443

■ 39.8875, 27.5901,
130.5684

■ 6.2607, 2.8702,
40.2326

■ 55.3134, 40.0661,
165.0012

■ 3.0464, 1.0644,
27.4048

■ 74.2776, 55.8293,
205.0107

■ 1.1784, 0.0000,
17.6423

■ 97.1456, 75.2641,
251.0152

■ 0.0892, 0.0000,
10.5267

■ 124.2827, 98.7549,
303.4335

■ 0.0000, 0.0000,
5.6394

156.0542,

■ 0.0000, 0.0000,

126.6862, 362.6841

2.5619

192.8255,
159.4422, 429.1854

■ 0.0000, 0.0000,
0.8727

■ 0.0000, 0.0000,
0.0000

■ 18.1895, 10.9621,
76.7585

■ 18.1895, 10.9621,
76.7585

■ 16.1095, 8.2606,
76.3470

■ 21.3274, 14.8987,
77.3533

■ 14.9431, 6.6443,
76.0965

■ 25.6380, 20.1954,
78.1485

■ 14.6682, 6.2583,
76.0365

■ 31.2235, 26.9622,
79.1602

■ 38.1741, 35.2977,
80.4028

■ 46.5721, 45.2919,
81.8892

■ 56.4930, 57.0281,
83.6317

■ 68.0072, 70.5838,
85.6413

■ 81.1806, 86.0320,
87.9288

■ 91.4239, 98.5495,
89.8050

Harmonies

Analogous

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



10.5709, 10.9621, 95.4266



18.1895, 10.9621, 76.7585



25.5599, 10.9621, 39.4297

Triad

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



18.1895, 10.9621, 76.7585



17.8128, 10.9621, 0.0000



2.2524, 10.9621, 12.3737

Complementary

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



18.1895, 10.9621, 76.7585



58.2047, 66.3843, 13.3618

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.



2.8788, 10.9621, 1.5896



18.1895, 10.9621, 76.7585



10.2688, 10.9621, 0.0000

Square

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



18.1895, 10.9621, 76.7585



25.2861, 10.9621, 1.4021



5.2530, 10.9621, 0.0000



2.9434, 10.9621, 41.1152

Rectangle

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



18.1895, 10.9621, 76.7585



28.2604, 10.9621, 18.7116



5.2530, 10.9621, 0.0000



2.3119, 10.9621, 7.0321

Sweetspot

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



18.1902, 10.9623, 76.7588



61.8731, 60.9367, 103.1086



42.2136, 62.7892, 73.1131



12.3349, 11.9660, 21.9095



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.



18.1902, 10.9623, 76.7588



19.2556, 9.1083, 95.3509



24.3078, 12.8939, 76.8092



13.6810, 14.0834, 18.1416



8.2598, 3.5818, 42.6392



0.6447, 0.3333, 3.1623

Inverse Universe

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



35.4274, 20.1648, 7.8191



41.9761, 22.0431, 4.3000



43.8845, 64.9642, 13.8425



14.4266, 14.3878, 15.1807



18.5627, 9.5593, 1.3262



1.3890, 0.7133, 0.1892

Previews

White Background



This preview shows how the XYZ color 18.1895, 10.9621, 76.7585 looks on a white background.

Color Contrast Check

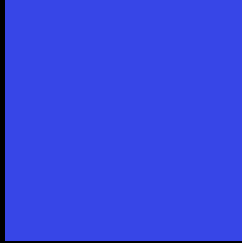
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1895, 10.9621, 76.7585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

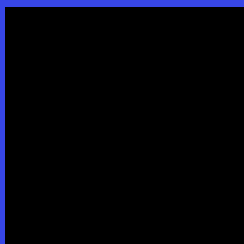
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.1895, 10.9621, 76.7585

Background



This preview shows how black text looks on a background with the XYZ color 18.1895, 10.9621, 76.7585.



This preview shows how white text looks on a background with the XYZ color 18.1895, 10.9621,

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

18.1895, 10.9621, 76.7585

Protanopia

12.6495, 10.7756, 48.9902

Deuteranopia

10.4374, 10.7225, 34.7772

Trichromacy



Original Color

18.1895, 10.9621, 76.7585

Protanomaly

14.2049, 10.5429, 58.4131

Deuteranomaly

12.4792, 10.3495, 47.7943

Monochromacy



Original Color

18.1895, 10.9621, 76.7585

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

10.0590, 8.8146, 24.8381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1895, 10.9621, 76.7585 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(55, 70, 231)` looks like.

```
.text, #text, p{  
    color:rgb(55, 70, 231)  
}
```

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(55, 70, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 70, 231) }
```

Border

The CSS property to change the border of an element to XYZ 18.1895, 10.9621, 76.7585 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(55, 70, 231) }
```

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

```
.border{ border-color:rgb(55, 70, 231) }
```

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

Here you see how a box with a 4 pixel rgb(55, 70, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 70, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 70, 231);  
box-shadow:4px 4px 4px 4px rgb(55, 70,  
231) }
```


Background

The CSS property to change the background color of an element to XYZ 18.1895, 10.9621, 76.7585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 70, 231) }
```

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

```
.background{ background-color: rgb(55, 70,  
231) }
```

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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