

Converting Colors

XYZ(19.8644, 11.6671, 81.0903)

Have a look what the booklet for
XYZ(19.8644, 11.6671, 81.0903)
contains.

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Color

**XYZ(19.8684, 11.6359,
81.3195)**

Conversions

Conversions Part 1

Format	Color
Hex	4545ED
RGB	69, 69, 237
RGB Percent	27%, 27%, 93%
CMY	0.7294, 0.7294, 0.0706
CMYK	0.71, 0.71, 0.00, 0.07
HSL	240°, 82%, 60%
HSV	240°, 71%, 93%
XYZ	19.8684, 11.6359, 81.3195
YIQ	88.1520, -53.9280, 52.2480

Conversions

Conversions Part 2

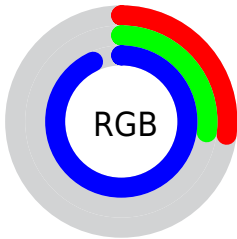
Format	Color
R_{YB}	69, 69, 237
Decimal	4539885
CIE _{Lab}	40.63, 52.64, -83.82
CIE _{LCh}	41, 98.976, 302.130
Yxy	11.6359, 0.1761, 0.1031
Android (android.graphics.Color)	4282729965 (0xFF4545ED)
YUV	88.1520, 73.3821, -16.7963
Hunter-Lab	34.1114, 44.2733, -117.4656

Details

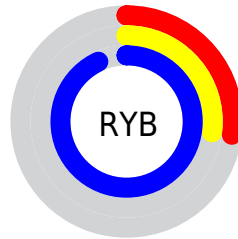
The XYZ color **19.8684, 11.6359, 81.3195** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **66.2797, 79.0008, 17.3854**, and the grayscale version is **9.1631, 9.6403, 10.4983**.

A 20% lighter version of the original color is **35.2943, 25.9026, 97.7472**, and **8.5251, 3.8691, 43.4775** is the 20% darker color. If you saturate the color by 10%, you get **17.3319, 8.5791, 80.8635**, and if you desaturate by 10%, it is **23.6589, 16.2023, 82.0015**.

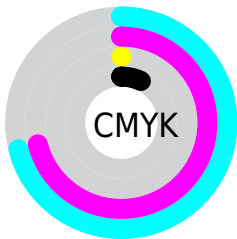
Distribution



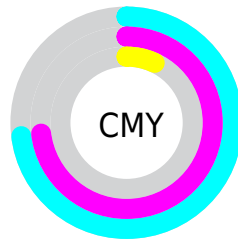
- Red (27%)
- Green (27%)
- Blue (93%)



- Red (27%)
- Yellow (27%)
- Blue (93%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8684, 11.6359, 81.3195 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 19.8684, 11.6359, 81.3195 by changing the saturation by 10% instead.

■ 19.8684, 11.6359,
81.3195

■ 19.8684, 11.6359,
81.3195

244.0490,
201.9797, 519.1922

■ 12.4071, 6.4963,
60.2722

■ 42.7021, 28.8302,
137.0474

■ 7.0958, 3.1491,
43.2114

■ 58.8052, 41.6537,
172.5651

■ 3.5689, 1.2101,
29.7184

■ 78.5196, 57.8072,
213.7434

■ 1.4613, 0.0699,
19.3747

■ 102.2107, 77.6752,
261.0008

■ 0.2993, 0.0000,
11.7618

■ 130.2438,
101.6421, 314.7558

■ 0.0000, 0.0000,
6.4611

162.9843,

■ 0.0000, 0.0000,

130.0922, 375.4270

3.0542

200.7976,
163.4099, 443.4330

■ 0.0000, 0.0000,
1.1224

■ 0.0000, 0.0000,
0.0000

■ 19.8684, 11.6359,
81.3195

■ 19.8684, 11.6359,
81.3195

■ 17.3319, 8.5791,
80.8635

■ 23.6589, 16.2023,
82.0015

■ 15.8878, 6.8393,
80.6038

■ 28.8343, 22.4383,
82.9324

■ 15.2863, 6.1146,
80.4956

■ 35.5117, 30.4841,
84.1334

■ 43.7950, 40.4651,
85.6234

■ 53.7791, 52.4954,
87.4192

■ 65.5513, 66.6804,
89.5368

■ 79.1932, 83.1182,
91.9906

■ 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.



11.5672, 11.6359, 103.3421



19.8684, 11.6359, 81.3195



27.7244, 11.6359, 40.5626

Triad

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



19.8684, 11.6359, 81.3195



18.6157, 11.6359, 0.0000



2.3274, 11.6359, 14.1564

Complementary

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



19.8684, 11.6359, 81.3195



66.2797, 79.0008, 17.3854

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.



2.9204, 11.6359, 1.8453



19.8684, 11.6359, 81.3195



10.5670, 11.6359, 0.0000

Square

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



19.8684, 11.6359, 81.3195



26.8117, 11.6359, 1.2403



5.3367, 11.6359, 0.0000



3.1311, 11.6359, 46.1933

Rectangle

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



19.8684, 11.6359, 81.3195



30.4551, 11.6359, 18.7109



5.3367, 11.6359, 0.0000



2.3692, 11.6359, 8.0925

Sweetspot

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



19.8691, 11.6361, 81.3199



63.2513, 61.6839, 103.1802



48.0246, 67.9482, 90.7052



12.7969, 12.3095, 21.9514



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.



19.8691, 11.6361, 81.3199



19.5603, 9.0394, 95.3216



30.5509, 17.1428, 81.8198



14.2314, 14.5490, 18.9804



8.3458, 3.3383, 43.9475



0.6554, 0.2622, 3.4509

Inverse Universe

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



52.3376, 28.3744, 82.8303



59.9887, 29.8813, 97.2007



44.4952, 67.7705, 16.3659



15.7148, 15.3138, 19.0496



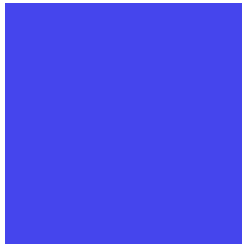
27.4121, 13.1675, 44.8329



2.1525, 1.0340, 3.5205

Previews

White Background



This preview shows how the XYZ color 19.8684, 11.6359, 81.3195 looks on a white background.

Color Contrast Check

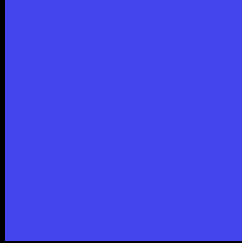
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8684, 11.6359, 81.3195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

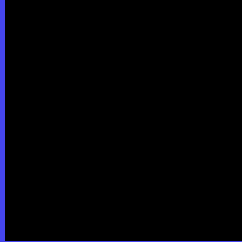
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.8684, 11.6359, 81.3195

Background



This preview shows how black text looks on a background with the XYZ color 19.8684, 11.6359, 81.3195.



This preview shows how white text looks on a background with the XYZ color 19.8684, 11.6359,

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

19.8684, 11.6359, 81.3195

Protanopia

13.4528, 11.5045, 51.9636

Deuteranopia

11.1592, 11.4520, 37.2196



Tritanopia

7.9762, 11.2730, 17.0848

Trichromacy



Original Color

19.8684, 11.6359, 81.3195

Protanomaly

15.0799, 11.1508, 61.6791

Deuteranomaly

13.2131, 10.7847, 50.6755

Tritanomaly

10.3139, 10.2953, 33.3419

Monochromacy



Original Color

19.8684, 11.6359, 81.3195

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

11.2183, 9.5872, 26.8504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8684, 11.6359, 81.3195 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(69, 69, 237)` looks like.

```
.text, #text, p{  
    color:rgb(69, 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(69, 69, 237) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 19.8684, 11.6359, 81.3195 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(69, 69, 237) }
```


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

```
.border{ border-color:rgb(69, 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(69, 69, 237) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 19.8684, 11.6359, 81.3195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(69, 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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