

Converting Colors

XYZ(19.9476, 11.2558, 76.7225)

Have a look what the booklet for
XYZ(19.9476, 11.2558, 76.7225)
contains.

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Color

**XYZ(19.9476, 11.2558,
76.7225)**

Conversions

Conversions Part 1

Format	Color
Hex	553FE7
RGB	85, 63, 231
RGB Percent	33%, 25%, 91%
CMY	0.6666, 0.7529, 0.0941
CMYK	0.63, 0.73, 0.00, 0.09
HSL	248°, 78%, 58%
HSV	248°, 73%, 91%
XYZ	19.9476, 11.2558, 76.7225
YIQ	88.7300, -40.8160, 56.9120

Conversions

Conversions Part 2

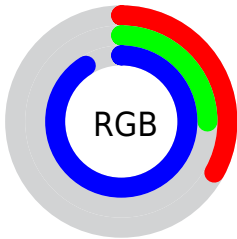
Format	Color
R_{YB}	85, 63, 231
Decimal	5586919
CIE _{Lab}	40.01, 55.72, -81.41
CIE _{LCh}	40, 98.650, 304.391
Yxy	11.2558, 0.1848, 0.1043
Android (android.graphics.Color)	4283776999 (0xFF553FE7)
YUV	88.7300, 70.1391, -3.2712
Hunter-Lab	33.5497, 47.4187, -112.1016

Details

The XYZ color **19.9476, 11.2558, 76.7225** 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 **55.7650, 71.0648, 15.4801**, and the grayscale version is **9.2935, 9.7774, 10.6476**.

A 20% lighter version of the original color is **36.6450, 25.7387, 97.6444**, and **7.7715, 3.3189, 40.2754** is the 20% darker color. If you saturate the color by 10%, you get **17.3549, 8.4018, 76.3086**, and if you desaturate by 10%, it is **23.5948, 15.4490, 77.3400**.

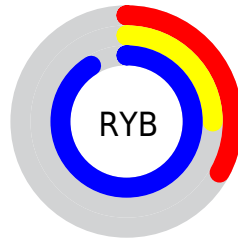
Distribution



Red (33%)

Green (25%)

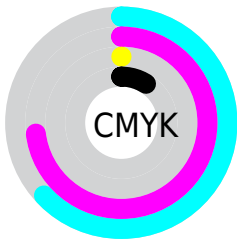
Blue (91%)



Red (33%)

Yellow (25%)

Blue (91%)

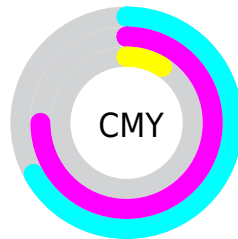


Cyan (63%)

Magenta (73%)

Yellow (0%)

Black (9%)



Cyan (67%)

Magenta (75%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9476, 11.2558, 76.7225 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 19.9476, 11.2558, 76.7225 by changing the saturation by 10% instead.

■ 19.9476, 11.2558,
76.7225

■ 19.9476, 11.2558,
76.7225

244.4703,
199.4142, 503.2299

■ 12.4650, 6.2392,
56.5149

■ 42.8339, 28.1322,
130.5171

■ 7.1356, 2.9910,
40.2092

■ 58.9684, 40.7608,
164.9413

■ 3.5942, 1.1271,
27.3866

■ 78.7175, 56.6955,
204.9414

■ 1.4752, 0.0009,
17.6288

■ 102.4466, 76.3206,
250.9359

■ 0.3089, 0.0000,
10.5172

■ 130.5211,
100.0207, 303.3435

■ 0.0000, 0.0000,
5.6331

■ 163.3063,

■ 0.0000, 0.0000,

128.1801, 362.5827

2.5581

201.1676,
161.1831, 429.0720

■ 0.0000, 0.0000,
0.8707

■ 0.0000, 0.0000,
0.0000

■ 19.9476, 11.2558,
76.7225

■ 19.9476, 11.2558,
76.7225

■ 17.3549, 8.4018,
76.3086

■ 23.5948, 15.4490,
77.3400

■ 15.6973, 6.7189,
76.0711

■ 28.3938, 21.1209,
78.1818

■ 14.9670, 6.0495,
75.9804

■ 34.4331, 28.3937,
79.2673

■ 41.7918, 37.3769,
80.6134

■ 50.5422, 48.1702,
82.2355

■ 60.7516, 60.8657,
84.1479

■ 72.4826, 75.5490,
86.3638

■ 85.7945, 92.3007,
88.8956

■ 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.



11.7342, 11.2558, 100.8044



19.9476, 11.2558, 76.7225



27.4184, 11.2558, 36.7140

Triad

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



19.9476, 11.2558, 76.7225



17.4271, 11.2558, 0.0000



2.2260, 11.2558, 15.3622

Complementary

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



19.9476, 11.2558, 76.7225



55.7650, 71.0648, 15.4801

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.



2.6943, 11.2558, 2.1344



19.9476, 11.2558, 76.7225



9.7252, 11.2558, 0.0000

Square

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



19.9476, 11.2558, 76.7225



25.5805, 11.2558, 0.9269



4.8687, 11.2558, 0.0000



3.1149, 11.2558, 48.0682

Rectangle

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



19.9476, 11.2558, 76.7225



29.7782, 11.2558, 16.3055



4.8687, 11.2558, 0.0000



2.2345, 11.2558, 8.9389

Sweetspot

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



19.9483, 11.2560, 76.7228



63.9734, 61.1784, 103.0446



39.8674, 53.6139, 83.8489



13.0094, 12.2486, 21.9285



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.



19.9483, 11.2560, 76.7228



20.5981, 9.3471, 95.3263



32.0531, 17.4963, 77.2893



13.7575, 13.9772, 18.1171



8.4484, 3.4212, 42.5983



0.6812, 0.2821, 3.1505

Inverse Universe

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



46.2400, 25.1468, 62.7322



55.5067, 27.8435, 74.3540



38.2851, 62.0536, 14.6621



14.9096, 14.5810, 17.7243



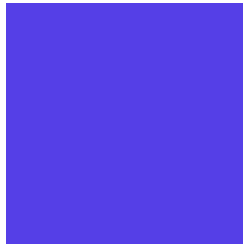
24.4011, 11.8947, 32.0708



1.8259, 0.8881, 2.4896

Previews

White Background



This preview shows how the XYZ color 19.9476, 11.2558, 76.7225 looks on a white background.

Color Contrast Check

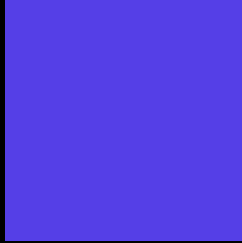
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9476, 11.2558, 76.7225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

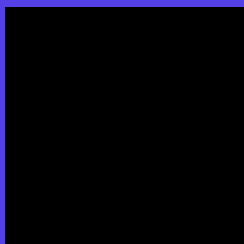
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.9476, 11.2558, 76.7225

Background



This preview shows how black text looks on a background with the XYZ color 19.9476, 11.2558, 76.7225.



This preview shows how white text looks on a background with the XYZ color 19.9476, 11.2558,

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

19.9476, 11.2558, 76.7225

Protanopia

13.0601, 11.0739, 50.7394

Deuteranopia

10.7937, 11.0101, 36.2066



Tritanopia

7.8749, 11.0705, 17.0510

Trichromacy



Original Color

19.9476, 11.2558, 76.7225

Protanomaly

14.5743, 10.4849, 59.6481

Deuteranomaly

12.8125, 10.2628, 48.8826

Tritanomaly

10.0538, 9.8026, 32.3725

Monochromacy



Original Color

19.9476, 11.2558, 76.7225

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

11.7009, 9.7351, 26.4617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9476, 11.2558, 76.7225 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(85, 63, 231)` looks like.

```
.text, #text, p{  
    color:rgb(85, 63, 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(85, 63, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 63, 231) }
```

Border

The CSS property to change the border of an element to XYZ 19.9476, 11.2558, 76.7225 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(85, 63, 231) }
```


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

```
.border{ border-color:rgb(85, 63, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 63, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 63, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 63, 231);  
box-shadow:4px 4px 4px 4px rgb(85, 63,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9476, 11.2558, 76.7225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 63, 231) }
```

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

```
.background{ background-color: rgb(85, 63,  
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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