

Converting Colors

XYZ(22.6155, 11.8782, 85.1064)

Have a look what the booklet for
XYZ(22.6155, 11.8782, 85.1064)
contains.

XYZ(22.5868, 11.8918, 85.1093)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.5868, 11.8918,
85.1093)**

Conversions

Conversions Part 1

Format	Color
Hex	6338F2
RGB	99, 56, 242
RGB Percent	39%, 22%, 95%
CMY	0.6117, 0.7804, 0.0510
CMYK	0.59, 0.77, 0.00, 0.05
HSL	254°, 88%, 58%
HSV	254°, 77%, 95%
XYZ	22.5868, 11.8918, 85.1093
YIQ	90.0610, -34.0780, 66.9620

Conversions

Conversions Part 2

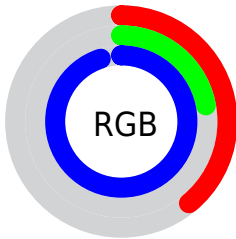
Format	Color
R _Y B	99, 56, 242
Decimal	6502642
CIE Lab	41.04, 63.82, -85.88
CIE LCh	41, 107.001, 306.618
Yxy	11.8918, 0.1889, 0.0994
Android (android.graphics.Color)	4284692722 (0xFF6338F2)
YUV	90.0610, 74.9059, 7.8395
Hunter-Lab	34.4845, 56.5668, -122.1913

Details

The XYZ color **22.5868, 11.8918, 85.1093** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **56.0167, 75.9309, 15.4448**, and the grayscale version is **9.5754, 10.0741, 10.9707**.

A 20% lighter version of the original color is **38.6229, 25.9438, 97.5797**, and **8.6517, 3.4607, 45.5594** is the 20% darker color. If you saturate the color by 10%, you get **19.8806, 9.1561, 84.7242**, and if you desaturate by 10%, it is **26.3289, 16.0016, 85.7057**.

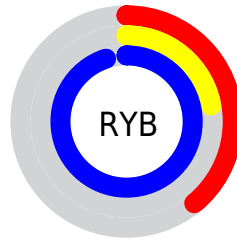
Distribution



Red (39%)

Green (22%)

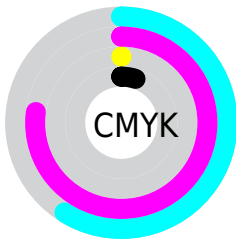
Blue (95%)



Red (39%)

Yellow (22%)

Blue (95%)

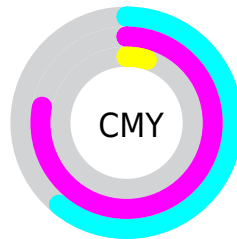


Cyan (59%)

Magenta (77%)

Yellow (0%)

Black (5%)



Cyan (61%)

Magenta (78%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5868, 11.8918, 85.1093 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 22.5868, 11.8918, 85.1093 by changing the saturation by 10% instead.

■ 22.5868, 11.8918,
85.1093

■ 22.5868, 11.8918,
85.1093

258.1707,
203.6877, 532.1437

■ 14.4077, 6.6700,
63.3810

■ 47.1856, 29.2979,
142.4014

■ 8.4884, 3.2566,
45.7065

■ 64.3361, 42.2510,
178.8023

■ 4.4634, 1.2671,
31.6673

■ 85.2077, 58.5500,
220.9311

■ 1.9675, 0.1155,
20.8448

■ 110.1658, 78.5794,
269.2065

■ 0.6156, 0.0000,
12.8205

■ 139.5758,
102.7234, 324.0469

■ 0.0000, 0.0000,
7.1758

■ 173.8031,

■ 0.0000, 0.0000,

131.3665, 385.8709

3.4922

213.2129,
164.8932, 455.0969

■ 0.0000, 0.0000,
1.3511

■ 0.0000, 0.0000,
0.1031

■ 22.5868, 11.8918,
85.1093

■ 22.5868, 11.8918,
85.1093

■ 19.8806, 9.1561,
84.7242

■ 26.3289, 16.0016,
85.7057

■ 18.0836, 7.5934,
84.5173

■ 31.2060, 21.6441,
86.5377

■ 17.6556, 7.2504,
84.4737

■ 37.3076, 28.9564,
87.6276

■ 44.7129, 38.0599,
88.9944

■ 53.4943, 49.0645,
90.6557

■ 63.7188, 62.0712,
92.6274

■ 75.4489, 77.1738,
94.9242

■ 88.7431, 94.4600,
97.5601

■ 93.0271, 99.1908,
98.2474

Harmonies

Analogous

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



13.0900, 11.8918, 116.6368



22.5868, 11.8918, 85.1093



30.9777, 11.8918, 38.0038

Triad

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



22.5868, 11.8918, 85.1093



18.2287, 11.8918, 0.0000



2.0682, 11.8918, 18.4545

Complementary

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



22.5868, 11.8918, 85.1093



56.0167, 75.9309, 15.4448

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.



2.4482, 11.8918, 2.3756



22.5868, 11.8918, 85.1093



9.6861, 11.8918, 0.0000

Square

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



22.5868, 11.8918, 85.1093



27.7653, 11.8918, 0.4853



4.5881, 11.8918, 0.0000



3.1142, 11.8918, 58.0515

Rectangle

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



22.5868, 11.8918, 85.1093



33.3592, 11.8918, 15.6050



4.5881, 11.8918, 0.0000



2.0449, 11.8918, 10.6114

Sweetspot

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



22.5876, 11.8920, 85.1097



64.4222, 60.5466, 102.8990



38.7080, 49.3519, 91.4905



12.9349, 11.8775, 21.8608



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.



22.5876, 11.8920, 85.1097



21.1814, 9.2162, 95.2703



38.5018, 20.0961, 85.8544



15.2393, 15.4051, 19.8919



9.5834, 3.9458, 45.3844



0.8818, 0.3719, 3.7795

Inverse Universe

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



48.3399, 25.8285, 56.4647



52.0108, 25.9800, 57.3794



38.7357, 67.0222, 14.6361



16.2888, 15.9652, 19.0770



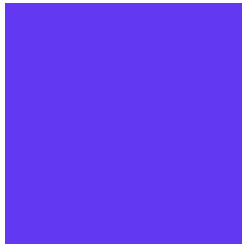
24.4900, 12.0684, 26.2949



2.0749, 1.0190, 2.3851

Previews

White Background



This preview shows how the XYZ color 22.5868, 11.8918, 85.1093 looks on a white background.

Color Contrast Check

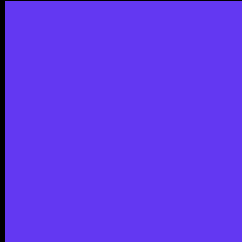
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5868, 11.8918, 85.1093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

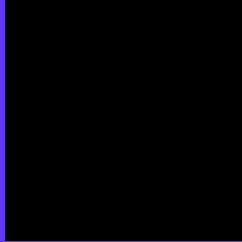
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.5868, 11.8918, 85.1093

Background



This preview shows how black text looks on a background with the XYZ color 22.5868, 11.8918, 85.1093.



This preview shows how white text looks on a background with the XYZ color 22.5868, 11.8918,

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

22.5868, 11.8918, 85.1093

Protanopia

13.8782, 11.8142, 53.7735

Deuteranopia

11.4369, 11.7137, 38.2174



Tritanopia

8.9871, 11.7876, 17.4244

Trichromacy



Original Color

22.5868, 11.8918, 85.1093

Protanomaly

15.6065, 10.9165, 64.2353

Deuteranomaly

13.5584, 10.4566, 52.3427

Tritanomaly

11.8033, 10.4112, 34.6452

Monochromacy



Original Color

22.5868, 11.8918, 85.1093

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

12.3494, 9.8203, 28.0327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5868, 11.8918, 85.1093 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(99, 56, 242)` looks like.

```
.text, #text, p{  
    color:rgb(99, 56, 242)  
}
```

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(99, 56, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 56, 242) }
```

Border

The CSS property to change the border of an element to XYZ 22.5868, 11.8918, 85.1093 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(99, 56, 242) }
```


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

```
.border{ border-color:rgb(99, 56, 242) }
```

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

Here you see how a box with a 4 pixel rgb(99, 56, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 56, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 56, 242);  
box-shadow:4px 4px 4px 4px rgb(99, 56,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5868, 11.8918, 85.1093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 56, 242) }
```

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

```
.background{ background-color: rgb(99, 56,  
242) }
```

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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