

Converting Colors

XYZ(22.0689, 12.7056, 87.3836)

Have a look what the booklet for
XYZ(22.0689, 12.7056, 87.3836)
contains.

XYZ(22.1513, 12.7667, 87.6829)	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(22.1513, 12.7667,
87.6829)**

Conversions

Conversions Part 1

Format	Color
Hex	5246F5
RGB	82, 70, 245
RGB Percent	32%, 27%, 96%
CMY	0.6784, 0.7255, 0.0392
CMYK	0.67, 0.71, 0.00, 0.04
HSL	244°, 90%, 62%
HSV	244°, 71%, 96%
XYZ	22.1513, 12.7667, 87.6829
YIQ	93.5380, -49.0230, 56.9690

Conversions

Conversions Part 2

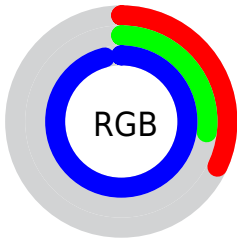
Format	Color
R _Y B	82, 70, 245
Decimal	5392117
CIE Lab	42.41, 55.93, -85.37
CIE LCh	42, 102.057, 303.233
Yxy	12.7667, 0.1807, 0.1041
Android (android.graphics.Color)	4283582197 (0xFF5246F5)
YUV	93.5380, 74.6708, -10.1188
Hunter-Lab	35.7305, 48.1335, -120.4866

Details

The XYZ color **22.1513, 12.7667, 87.6829** is a dark color, and the websafe version is hex **3333CC**. The color can be described as middle washed blue. A complement of this color would be **67.3582, 83.0688, 18.2777**, and the grayscale version is **10.3698, 10.9099, 11.8808**.

A 20% lighter version of the original color is **37.4650, 27.3788, 97.9177**, and **9.2378, 4.1242, 47.3229** is the 20% darker color. If you saturate the color by 10%, you get **19.2540, 9.4433, 87.1945**, and if you desaturate by 10%, it is **26.3342, 17.6797, 88.4111**.

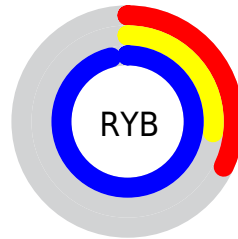
Distribution



Red (32%)

Green (27%)

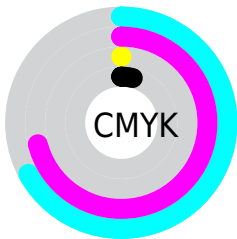
Blue (96%)



Red (32%)

Yellow (27%)

Blue (96%)

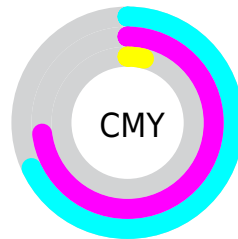


Cyan (67%)

Magenta (71%)

Yellow (0%)

Black (4%)



Cyan (68%)

Magenta (73%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1513, 12.7667, 87.6829 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 22.1513, 12.7667, 87.6829 by changing the saturation by 10% instead.

■ 22.1513, 12.7667,
87.6829

■ 22.1513, 12.7667,
87.6829

255.9529,
209.4170, 540.8386

■ 14.0853, 7.2681,
65.4976

■ 46.4729, 30.8840,
146.0229

■ 8.2621, 3.6303,
47.4108

■ 63.4593, 44.2715,
183.0146

■ 4.3164, 1.4690,
33.0039

■ 84.1499, 61.0574,
225.7790

■ 1.8826, 0.2668,
21.8583

■ 108.9100, 81.6261,
274.7345

■ 0.5667, 0.0000,
13.5555

■ 138.1050,
106.3621, 330.2997

■ 0.0000, 0.0000,
7.6769

172.1002,

■ 0.0000, 0.0000,

135.6496, 392.8931

3.8041

211.2611,
169.8731, 462.9332

■ 0.0000, 0.0000,
1.5185

■ 0.0000, 0.0000,
0.2317

■ 22.1513, 12.7667,
87.6829

■ 22.1513, 12.7667,
87.6829

■ 19.2540, 9.4433,
87.1945

■ 26.3342, 17.6797,
88.4111

■ 17.4903, 7.5107,
86.9144

■ 31.9272, 24.3476,
89.4034

■ 16.7094, 6.7101,
86.8011

■ 39.0424, 32.9156,
90.6822

■ 47.7801, 43.5137,
92.2673

■ 58.2322, 56.2604,
94.1767

■ 70.4833, 71.2650,
96.4272

■ 84.6127, 88.6295,
99.0342

■ 93.4815, 99.3726,
100.6404

Harmonies

Analogous

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



12.9857, 12.7667, 113.1870



22.1513, 12.7667, 87.6829



30.6536, 12.7667, 42.9427

Triad

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



22.1513, 12.7667, 87.6829



20.0674, 12.7667, 0.0000



2.5596, 12.7667, 16.4228

Complementary

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



22.1513, 12.7667, 87.6829



67.3582, 83.0688, 18.2777

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.



3.1523, 12.7667, 2.2328



22.1513, 12.7667, 87.6829



11.3211, 12.7667, 0.0000

Square

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



22.1513, 12.7667, 87.6829



29.1358, 12.7667, 1.2217



5.7107, 12.7667, 0.0000



3.5034, 12.7667, 52.3071

Rectangle

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



22.1513, 12.7667, 87.6829



33.4785, 12.7667, 19.4991



5.7107, 12.7667, 0.0000



2.5878, 12.7667, 9.4918

Sweetspot

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



22.1521, 12.7670, 87.6833



64.2533, 62.2004, 103.2271



48.2406, 66.3615, 96.6531



13.0290, 12.4291, 21.9623



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.



22.1521, 12.7670, 87.6833



20.0247, 9.1611, 95.3206



35.0693, 19.4260, 88.2878



15.6865, 15.9810, 20.8004



9.0416, 3.6354, 46.7632



0.8308, 0.3381, 4.1117

Inverse Universe

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



54.5526, 29.6751, 79.9342



57.5821, 28.7918, 84.9189



45.5822, 71.8429, 17.2586



17.1616, 16.7475, 20.5978



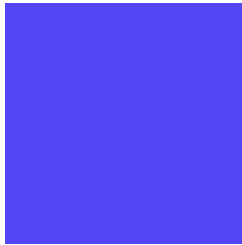
27.8651, 13.4895, 40.8593



2.4636, 1.1914, 3.6675

Previews

White Background



This preview shows how the XYZ color 22.1513, 12.7667, 87.6829 looks on a white background.

Color Contrast Check

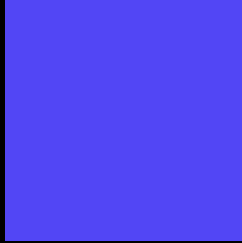
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1513, 12.7667, 87.6829 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 22.1513, 12.7667, 87.6829

Background



This preview shows how black text looks on a background with the XYZ color 22.1513, 12.7667, 87.6829.



This preview shows how white text looks on a background with the XYZ color 22.1513, 12.7667,

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

22.1513, 12.7667, 87.6829

Protanopia

14.8435, 12.6300, 57.5326

Deuteranopia

12.2942, 12.5199, 41.3038



Tritanopia

8.8459, 12.4599, 19.0783

Trichromacy



Original Color

22.1513, 12.7667, 87.6829

Protanomaly

16.5985, 12.1544, 67.8009

Deuteranomaly

14.5004, 11.7119, 55.5292

Tritanomaly

11.3285, 11.1408, 36.6753

Monochromacy



Original Color

22.1513, 12.7667, 87.6829

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

12.8898, 10.8406, 29.8468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1513, 12.7667, 87.6829 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(82, 70, 245)` looks like.

```
.text, #text, p{  
    color:rgb(82, 70, 245)  
}
```

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(82, 70, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 70, 245) }
```

Border

The CSS property to change the border of an element to XYZ 22.1513, 12.7667, 87.6829 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(82, 70, 245) }
```


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

```
.border{ border-color:rgb(82, 70, 245) }
```

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

Here you see how a box with a 4 pixel rgb(82, 70, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 70, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 70, 245);  
box-shadow:4px 4px 4px 4px rgb(82, 70,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1513, 12.7667, 87.6829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 70, 245) }
```

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

```
.background{ background-color: rgb(82, 70,  
245) }
```

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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