

Converting Colors

XYZ(20.7466, 13.5369, 56.1638)

Have a look what the booklet for
XYZ(20.7466, 13.5369, 56.1638)
contains.

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Color

**XYZ(20.7575, 13.5408,
56.1632)**

Conversions

Conversions Part 1

Format	Color
Hex	774EC8
RGB	119, 78, 200
RGB Percent	47%, 31%, 78%
CMY	0.5333, 0.6941, 0.2157
CMYK	0.40, 0.61, 0.00, 0.22
HSL	260°, 53%, 55%
HSV	260°, 61%, 78%
XYZ	20.7575, 13.5408, 56.1632
YIQ	104.1670, -14.7260, 46.6340

Conversions

Conversions Part 2

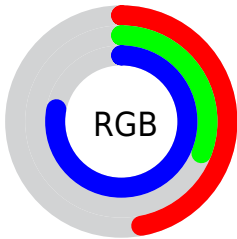
Format	Color
R_{YB}	119, 78, 200
Decimal	7818952
CIE _{Lab}	43.57, 44.35, -57.69
CIE _{LCh}	44, 72.770, 307.549
Yxy	13.5408, 0.2295, 0.1497
Android (android.graphics.Color)	4286009032 (0xFF774EC8)
YUV	104.1670, 47.2457, 13.0085
Hunter-Lab	36.7978, 36.2949, -64.7337

Details

The XYZ color **20.7575, 13.5408, 56.1632** is a dark color, and the websafe version is hex **663399**. The color can be described as dark muted purple. A complement of this color would be **36.3270, 49.2295, 14.7954**, and the grayscale version is **13.0836, 13.7649, 14.9900**.

A 20% lighter version of the original color is **43.8048, 32.1506, 98.5047**, and **7.5368, 3.9472, 27.1527** is the 20% darker color. If you saturate the color by 10%, you get **17.8498, 10.2437, 55.6803**, and if you desaturate by 10%, it is **24.3531, 17.8340, 56.8026**.

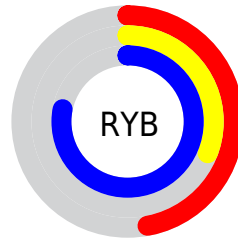
Distribution



Red (47%)

Green (31%)

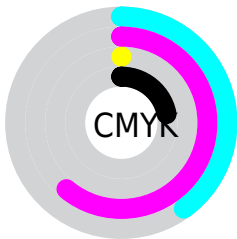
Blue (78%)



Red (47%)

Yellow (31%)

Blue (78%)

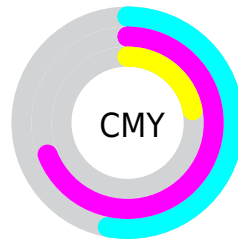


Cyan (40%)

Magenta (61%)

Yellow (0%)

Black (22%)



Cyan (53%)

Magenta (69%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7575, 13.5408, 56.1632 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 20.7575, 13.5408, 56.1632 by changing the saturation by 10% instead.

■ 20.7575, 13.5408,
56.1632

■ 20.7575, 13.5408,
56.1632

248.7431,
214.3551, 427.7118

■ 13.0583, 7.8020,
39.9289

■ 44.1779, 32.2720,
100.7313

■ 7.5460, 3.9685,
27.1698

■ 60.6299, 46.0332,
129.9022

■ 3.8552, 1.6560,
17.4672

■ 80.7301, 63.2372,
164.2225

■ 1.6205, 0.3949,
10.4027

■ 104.8440, 84.2686,
204.1105

■ 0.4057, 0.0000,
5.5577

■ 133.3369,
109.5117, 249.9849

■ 0.0000, 0.0000,
2.5136

166.5741,

■ 0.0000, 0.0000,

139.3509, 302.2643

0.8474

204.9211,
174.1706, 361.3670

■ 0.0000, 0.0000,
0.0000

■ 20.7575, 13.5408,
56.1632

■ 20.7575, 13.5408,
56.1632

■ 17.8498, 10.2437,
55.6803

■ 24.3531, 17.8340,
56.8026

■ 15.5770, 7.8549,
55.3390

■ 28.6800, 23.1980,
57.6099

■ 13.8803, 6.2723,
55.1230

■ 33.7801, 29.7018,
58.5965

■ 12.7552, 5.3712,
55.0084

■ 39.6913, 37.4080,
59.7724

■ 46.4489, 46.3748,
61.1470

■ 54.0862, 56.6562,
62.7290

■ 62.6343, 68.3033,
64.5266

■ 72.1231, 81.3643,
66.5475

■ 81.6159, 93.9553,
68.4775

Harmonies

Analogous

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



14.3619, 13.5408, 72.7444



20.7575, 13.5408, 56.1632



25.8642, 13.5408, 30.2429

Triad

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



20.7575, 13.5408, 56.1632



17.5178, 13.5408, 0.5496



4.7844, 13.5408, 19.2560

Complementary

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



20.7575, 13.5408, 56.1632



36.3270, 49.2295, 14.7954

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.



5.1744, 13.5408, 5.7216



20.7575, 13.5408, 56.1632



11.4854, 13.5408, 0.2081

Square

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



20.7575, 13.5408, 56.1632



23.6417, 13.5408, 2.7043



7.2866, 13.5408, 1.2409



5.9977, 13.5408, 43.2783

Rectangle

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



20.7575, 13.5408, 56.1632



27.1912, 13.5408, 16.1249



7.2866, 13.5408, 1.2409



4.7407, 13.5408, 13.4436

Sweetspot

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



20.7581, 13.5413, 56.1635



71.7790, 68.8016, 104.1046



26.0230, 30.7011, 59.1983



14.6596, 13.7980, 22.1406



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.



20.7581, 13.5413, 56.1635



29.5932, 16.3162, 96.1974



31.8948, 19.2824, 56.6847



10.3870, 10.4578, 13.3886



8.1962, 3.4595, 34.9801



0.4655, 0.2037, 1.6599

Inverse Universe

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



32.8017, 20.2314, 34.9757



52.9217, 29.3229, 52.9935



27.1027, 44.4741, 14.3638



10.9257, 10.7537, 12.5921



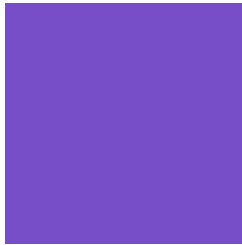
17.8707, 8.8978, 15.0606



0.8789, 0.4344, 0.8855

Previews

White Background



This preview shows how the XYZ color 20.7575, 13.5408, 56.1632 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 20.7575, 13.5408, 56.1632 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 20.7575, 13.5408, 56.1632

Background



This preview shows how black text looks on a background with the XYZ color 20.7575, 13.5408, 56.1632.



This preview shows how white text looks on a background with the XYZ color 20.7575, 13.5408,

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

20.7575, 13.5408, 56.1632

Protanopia

16.2197, 13.6268, 63.4034

Deuteranopia

13.7033, 13.5638, 47.2432



Tritanopia

12.8651, 13.5008, 16.9668

Trichromacy



Original Color

20.7575, 13.5408, 56.1632

Protanomaly

15.9998, 12.5008, 60.6011

Deuteranomaly

14.3827, 12.4157, 50.3536

Tritanomaly

14.9045, 13.0527, 27.7205

Monochromacy



Original Color

20.7575, 13.5408, 56.1632

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

15.0591, 13.2997, 26.1995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7575, 13.5408, 56.1632 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(119, 78, 200)` looks like.

```
.text, #text, p{  
    color:rgb(119, 78, 200)  
}
```

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(119, 78, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 78, 200) }
```

Border

The CSS property to change the border of an element to XYZ 20.7575, 13.5408, 56.1632 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(119, 78, 200) }
```


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

```
.border{ border-color:rgb(119, 78, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 78, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 78, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 78, 200);  
box-shadow:4px 4px 4px 4px rgb(119, 78,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7575, 13.5408, 56.1632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 78, 200) }
```

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

```
.background{ background-color: rgb(119, 78,  
200) }
```

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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