

Converting Colors

XYZ(20.7215, 17.8269, 30.2697)

Have a look what the booklet for
XYZ(20.7215, 17.8269, 30.2697)
contains.

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Color

**XYZ(20.7563, 17.8877,
30.3757)**

Conversions

Conversions Part 1

Format	Color
Hex	886B94
RGB	136, 107, 148
RGB Percent	53%, 42%, 58%
CMY	0.4667, 0.5804, 0.4196
CMYK	0.08, 0.28, 0.00, 0.42
HSL	282°, 16%, 50%
HSV	282°, 28%, 58%
XYZ	20.7563, 17.8877, 30.3757
YIQ	120.3450, 4.1230, 18.8990

Conversions

Conversions Part 2

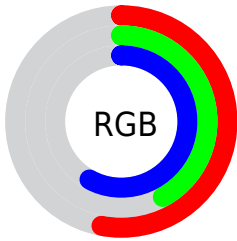
Format	Color
RYB	136, 107, 148
Decimal	8940436
CIELab	49.36, 19.38, -17.99
CIElCh	49, 26.442, 317.117
Yxy	17.8877, 0.3007, 0.2592
Android (android.graphics.Color)	4287130516 (0xFF886B94)
YUV	120.3450, 13.6339, 13.7294
Hunter-Lab	42.2939, 13.5871, -12.9767

Details

The XYZ color **20.7563, 17.8877, 30.3757** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.8521, 26.1638, 17.8618**, and the grayscale version is **17.9202, 18.8535, 20.5315**.

A 20% lighter version of the original color is **44.2940, 40.0077, 61.2648**, and **7.5594, 5.9694, 12.0631** is the 20% darker color. If you saturate the color by 10%, you get **18.6542, 14.7065, 29.8727**, and if you desaturate by 10%, it is **23.1521, 21.6133, 30.9688**.

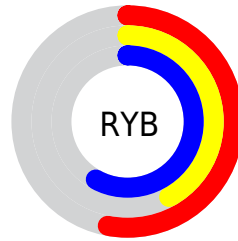
Distribution



Red (53%)

Green (42%)

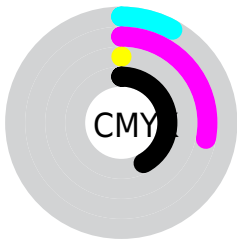
Blue (58%)



Red (53%)

Yellow (42%)

Blue (58%)

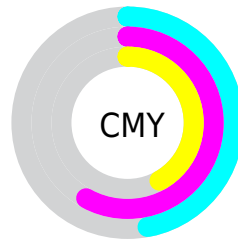


Cyan (8%)

Magenta (28%)

Yellow (0%)

Black (42%)



Cyan (47%)

Magenta (58%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7563, 17.8877, 30.3757 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 20.7563, 17.8877, 30.3757 by changing the saturation by 10% instead.

■ 20.7563, 17.8877,
30.3757

■ 20.7563, 17.8877,
30.3757

248.7368,
240.2373, 317.9134

■ 13.0574, 10.8694,
19.8695

■ 44.1759, 39.8459,
61.3238

■ 7.5454, 5.9791,
12.1171

■ 60.6274, 55.5545,
82.6028

■ 3.8548, 2.8324,
6.6999

■ 80.7271, 74.9288,
108.3098

■ 1.6203, 1.0449,
3.1996

■ 104.8404, 98.3530,
138.8633

■ 0.4056, 0.0000,
1.1974

133.3327,
126.2115, 174.6818

■ 0.0000, 0.0000,
0.0000

166.5693,

158.8888, 216.1840

204.9155,
196.7693, 263.7884

■ 20.7563, 17.8877,
30.3757

■ 20.7563, 17.8877,
30.3757

■ 18.6542, 14.7065,
29.8727

■ 23.1521, 21.6133,
30.9688

■ 16.8302, 12.0404,
29.4543

■ 25.8527, 25.9061,
31.6551

■ 15.2701, 9.8607,
29.1158

■ 28.8707, 30.7906,
32.4388

■ 13.9573, 8.1348,
28.8518

■ 32.2175, 36.2888,
33.3237

■ 12.8733, 6.8264,
28.6564

■ 35.9037, 42.4219,
34.3132

■ 11.9966, 5.8930,
28.5224

■ 39.9396, 49.2099,
35.4107

■ 11.2880, 5.2565,
28.4369

■ 44.3351, 56.6719,
36.6193

■ 11.1338, 5.1222,
28.4191

■ 49.0994, 64.8263,
37.9422

■ 54.2418, 73.6907,
39.3822

Harmonies

Analogous

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



18.4500, 17.8877, 35.7377



20.7563, 17.8877, 30.3757



22.1084, 17.8877, 22.6963

Triad

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



20.7563, 17.8877, 30.3757



18.0916, 17.8877, 8.9355



12.8247, 17.8877, 23.7969

Complementary

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



20.7563, 17.8877, 30.3757



20.8521, 26.1638, 17.8618

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.



12.7490, 17.8877, 16.5769



20.7563, 17.8877, 30.3757



15.6313, 17.8877, 9.0924

Square

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



20.7563, 17.8877, 30.3757



20.4720, 17.8877, 11.0588



13.7296, 17.8877, 11.5572



13.9476, 17.8877, 31.3490

Rectangle

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



20.7563, 17.8877, 30.3757



22.2082, 17.8877, 17.8270



13.7296, 17.8877, 11.5572



12.6801, 17.8877, 21.2251

Sweetspot

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



20.7569, 17.8885, 30.3761



45.3848, 45.3397, 55.7940



18.0420, 18.5298, 30.6430



10.2009, 10.0947, 12.6957



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.7569, 17.8885, 30.3761



34.3531, 28.1058, 53.0489



22.1898, 18.6995, 27.1740



5.8717, 5.8248, 7.2846



9.5379, 4.3895, 24.2756



0.1462, 0.0689, 0.2985

Inverse Universe

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



20.8008, 18.1439, 19.8594



34.5218, 28.6774, 31.1593



19.7599, 25.5485, 20.1707



5.8665, 5.8417, 6.4030



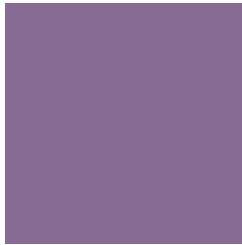
10.8198, 5.5330, 2.5323



0.1440, 0.0724, 0.0921

Previews

White Background



This preview shows how the XYZ color 20.7563, 17.8877, 30.3757 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 20.7563, 17.8877, 30.3757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

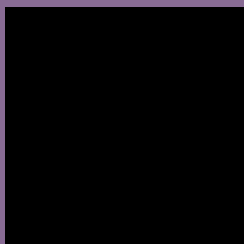
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.7563, 17.8877, 30.3757

Background



This preview shows how black text looks on a background with the XYZ color 20.7563, 17.8877, 30.3757.



This preview shows how white text looks on a background with the XYZ color 20.7563, 17.8877,

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

20.7563, 17.8877, 30.3757

Protanopia

18.2252, 17.9831, 33.5209

Deuteranopia

18.2585, 17.9142, 29.6896



Tritanopia

18.7611, 17.8744, 20.5504

Trichromacy



Original Color

20.7563, 17.8877, 30.3757

Protanomaly

19.0438, 17.9288, 32.1626

Deuteranomaly

19.0867, 17.8325, 30.0398

Tritanomaly

19.3455, 17.7771, 23.8844

Monochromacy



Original Color

20.7563, 17.8877, 30.3757

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.7642, 18.3088, 23.6641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7563, 17.8877, 30.3757 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(136, 107, 148)` looks like.

```
.text, #text, p{  
    color:rgb(136, 107, 148)  
}
```

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(136, 107, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 107, 148) }
```

Border

The CSS property to change the border of an element to XYZ 20.7563, 17.8877, 30.3757 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(136, 107, 148) }
```


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

```
.border{ border-color:rgb(136, 107, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 107, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 107, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 107, 148);  
box-shadow:4px 4px 4px 4px rgb(136, 107,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7563, 17.8877, 30.3757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 107, 148) }
```

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

```
.background{ background-color: rgb(136,  
107, 148) }
```

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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