

Converting Colors

XYZ(20.9005, 17.2378, 21.1229)

Have a look what the booklet for
XYZ(20.9005, 17.2378, 21.1229)
contains.

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Color

**XYZ(20.8065, 17.2215,
20.9663)**

Conversions

Conversions Part 1

Format	Color
Hex	96657B
RGB	150, 101, 123
RGB Percent	59%, 40%, 48%
CMY	0.4118, 0.6039, 0.5176
CMYK	0.00, 0.33, 0.18, 0.41
HSL	333°, 20%, 49%
HSV	333°, 33%, 59%
XYZ	20.8065, 17.2215, 20.9663
YIQ	118.1590, 22.1420, 17.2300

Conversions

Conversions Part 2

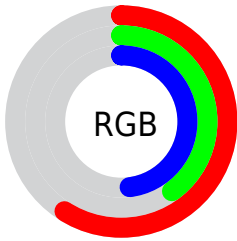
Format	Color
R_{YB}	150, 101, 123
Decimal	9856379
CIE Lab	48.54, 23.16, -4.22
CIE LCh	49, 23.541, 349.675
Yxy	17.2215, 0.3527, 0.2919
Android (android.graphics.Color)	4288046459 (0xFF96657B)
YUV	118.1590, 2.3866, 27.9246
Hunter-Lab	41.4988, 16.8727, -0.9057

Details

The XYZ color **20.8065, 17.2215, 20.9663** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.1702, 26.1383, 24.4055**, and the grayscale version is **17.2581, 18.1568, 19.7728**.

A 20% lighter version of the original color is **44.3059, 38.8567, 45.7224**, and **7.5461, 5.6373, 7.1689** is the 20% darker color. If you saturate the color by 10%, you get **18.9851, 14.3720, 17.9132**, and if you desaturate by 10%, it is **22.9384, 20.6217, 24.3389**.

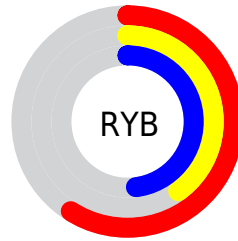
Distribution



Red (59%)

Green (40%)

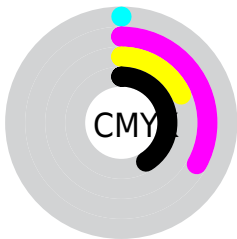
Blue (48%)



Red (59%)

Yellow (40%)

Blue (48%)

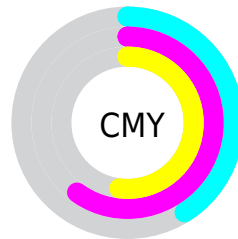


Cyan (0%)

Magenta (33%)

Yellow (18%)

Black (41%)



Cyan (41%)

Magenta (60%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8065, 17.2215, 20.9663 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 20.8065, 17.2215, 20.9663 by changing the saturation by 10% instead.

■ 20.8065, 17.2215,
20.9663

■ 20.8065, 17.2215,
20.9663

248.9996,
236.4456, 269.8745

■ 13.0943, 10.3925,
12.9084

■ 44.2590, 38.7062,
45.9115

■ 7.5710, 5.6600,
7.2355

■ 60.7300, 54.1308,
63.6359

■ 3.8711, 2.6395,
3.5291

■ 80.8512, 73.1893,
85.4194

■ 1.6295, 0.9465,
1.3708

■ 104.9882, 96.2662,
111.6808

■ 0.4115, 0.0000,
0.1188

133.5061,
123.7459, 142.8384

■ 0.0000, 0.0000,
0.0000

166.7704,

156.0128, 179.3109

205.1465,
193.4512, 221.5167

■ 20.8065, 17.2215,
20.9663

■ 20.8065, 17.2215,
20.9663

■ 18.9851, 14.3720,
17.9132

■ 22.9384, 20.6217,
24.3389

■ 17.4572, 12.0414,
15.1680

■ 25.3938, 24.5975,
28.0399

■ 16.2063, 10.1985,
12.7199

■ 28.1866, 29.1749,
32.0790

■ 15.2136, 8.8073,
10.5569

■ 31.3295, 34.3778,
36.4653

■ 14.4577, 7.8272,
8.6660

■ 34.8346, 40.2287,
41.2074

■ 13.9135, 7.2099,
7.0323

■ 38.7132, 46.7491,
46.3135

■ 13.6011, 6.8934,
5.9777

■ 42.9764, 53.9593,
51.7918

■ 47.6345, 61.8789,
57.6501

■ 52.6977, 70.5268,
63.8957

Harmonies

Analogous

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



19.7454, 17.2215, 27.5552



20.8065, 17.2215, 20.9663



20.6015, 17.2215, 15.0231

Triad

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



20.8065, 17.2215, 20.9663



15.0089, 17.2215, 9.6292



13.8240, 17.2215, 29.3664

Complementary

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



20.8065, 17.2215, 20.9663



20.1702, 26.1383, 24.4055

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.



12.7591, 17.2215, 23.0503



20.8065, 17.2215, 20.9663



13.4005, 17.2215, 12.0561

Square

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



20.8065, 17.2215, 20.9663



17.1247, 17.2215, 9.3108



12.6112, 17.2215, 16.6980



15.6349, 17.2215, 33.0655

Rectangle

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



20.8065, 17.2215, 20.9663



19.7798, 17.2215, 12.1334



12.6112, 17.2215, 16.6980



13.3739, 17.2215, 27.4216

Sweetspot

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



20.8070, 17.2223, 20.9667



45.9739, 45.3015, 51.1865



19.0540, 16.0957, 30.9568



10.0556, 9.8224, 11.1490



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.



20.8070, 17.2223, 20.9667



34.3808, 26.7231, 33.1162



19.8224, 17.2148, 14.5910



5.9025, 5.8561, 6.5929



11.2962, 5.7235, 5.0408



0.1528, 0.0759, 0.1381

Inverse Universe

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



20.8070, 17.2223, 20.9667



34.3808, 26.7231, 33.1162



21.3919, 26.0080, 32.7469



5.9025, 5.8561, 6.5929



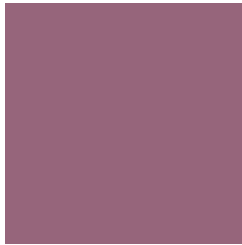
11.2962, 5.7235, 5.0408



0.1528, 0.0759, 0.1381

Previews

White Background



This preview shows how the XYZ color 20.8065, 17.2215, 20.9663 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 20.8065, 17.2215, 20.9663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

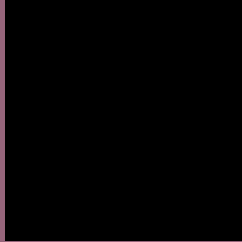
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.8065, 17.2215, 20.9663

Background



This preview shows how black text looks on a background with the XYZ color 20.8065, 17.2215, 20.9663.



This preview shows how white text looks on a background with the XYZ color 20.8065, 17.2215,

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

20.8065, 17.2215, 20.9663

Protanopia

17.1056, 17.4381, 24.2941

Deuteranopia

17.5575, 17.2539, 20.4941



Tritanopia

20.1139, 17.2378, 17.3060

Trichromacy



Original Color

20.8065, 17.2215, 20.9663

Protanomaly

18.1426, 17.1725, 23.1273

Deuteranomaly

18.5483, 17.1168, 20.7386

Tritanomaly

20.2403, 17.1301, 18.4593

Monochromacy



Original Color

20.8065, 17.2215, 20.9663

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.3903, 17.6902, 20.2146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8065, 17.2215, 20.9663 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(150, 101, 123)` looks like.

```
.text, #text, p{  
    color:rgb(150, 101, 123)  
}
```

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(150, 101, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 101, 123) }
```

Border

The CSS property to change the border of an element to XYZ 20.8065, 17.2215, 20.9663 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(150, 101, 123) }
```


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

```
.border{ border-color:rgb(150, 101, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 101, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 101, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 101, 123);  
box-shadow:4px 4px 4px 4px rgb(150, 101,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8065, 17.2215, 20.9663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 101, 123) }
```

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

```
.background{ background-color: rgb(150,  
101, 123) }
```

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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