

Converting Colors

XYZ(20.8693, 26.0207, 17.7372)

Have a look what the booklet for
XYZ(20.8693, 26.0207, 17.7372)
contains.

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Color

**XYZ(20.8333, 25.9220,
17.8153)**

Conversions

Conversions Part 1

Format	Color
Hex	78936B
RGB	120, 147, 107
RGB Percent	47%, 58%, 42%
CMY	0.5294, 0.4235, 0.5804
CMYK	0.18, 0.00, 0.27, 0.42
HSL	101°, 16%, 50%
HSV	101°, 27%, 58%
XYZ	20.8333, 25.9220, 17.8153
YIQ	134.3670, -3.2520, -18.1640

Conversions

Conversions Part 2

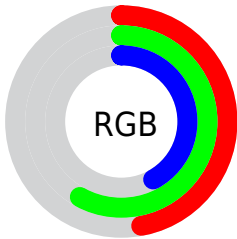
Format	Color
R_{YB}	107, 147, 134
Decimal	7902059
CIE _{Lab}	57.96, -17.34, 18.13
CIE _{LCh}	58, 25.087, 133.713
Yxy	25.9220, 0.3226, 0.4015
Android (android.graphics.Color)	4286092139 (0xFF78936B)
YUV	134.3670, -13.4919, -12.5999
Hunter-Lab	50.9137, -16.0587, 14.8933

Details

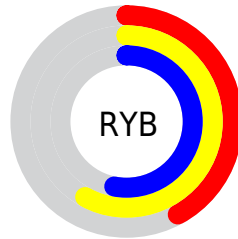
The XYZ color **20.8333, 25.9220, 17.8153** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.3566, 17.6910, 29.9468**, and the grayscale version is **22.8447, 24.0344, 26.1734**.

A 20% lighter version of the original color is **44.3782, 53.1607, 40.7230**, and **7.5708, 10.0211, 5.6729** is the 20% darker color. If you saturate the color by 10%, you get **18.8193, 24.9664, 14.0214**, and if you desaturate by 10%, it is **23.1229, 27.0060, 22.3095**.

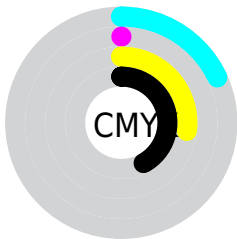
Distribution



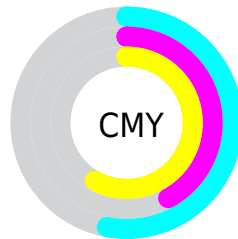
- Red (47%)
- Green (58%)
- Blue (42%)



- Red (42%)
- Yellow (58%)
- Blue (53%)



- Cyan (18%)
- Magenta (0%)
- Yellow (27%)
- Black (42%)



- Cyan (53%)
- Magenta (42%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8333, 25.9220, 17.8153 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 20.8333, 25.9220, 17.8153 by changing the saturation by 10% instead.

■ 20.8333, 25.9220,
17.8153

■ 20.8333, 25.9220,
17.8153

249.1398,
282.3990, 252.0290

■ 13.1140, 16.7653,
10.6494

■ 44.3033, 53.1491,
40.5320

■ 7.5846, 10.0673,
5.7204

■ 60.7847, 71.9883,
56.9199

■ 3.8799, 5.4436,
2.6098

■ 80.9175, 94.8237,
77.2189

■ 1.6344, 2.5098,
0.8975

■ 105.0670,
122.0398, 101.8475

■ 0.4147, 0.8815,
0.0000

133.5986,
154.0210, 131.2243

■ 0.0000, 0.0000,
0.0000

166.8777,

191.1517, 165.7678

205.2697,
233.8162, 205.8965

■ 20.8333, 25.9220,
17.8153

■ 20.8333, 25.9220,
17.8153

■ 18.8193, 24.9664,
14.0214

■ 23.1229, 27.0060,
22.3095

■ 17.0677, 24.1309,
10.8911

■ 25.6962, 28.2196,
27.5352

■ 15.5677, 23.4115,
8.3864

■ 28.5638, 29.5684,
33.5235

■ 14.3062, 22.8024,
6.4653

■ 31.7350, 31.0564,
40.3034

■ 13.2695, 22.2975,
5.0803

■ 35.2185, 32.6876,
47.9022

■ 12.4416, 21.8899,
4.1766

■ 39.0228, 34.4658,
56.3461

■ 11.7988, 21.5693,
3.6591

■ 43.1562, 36.3948,
65.6601

■ 11.6424, 21.4913,
3.5346

■ 47.6264, 38.4780,
75.8679

■ 52.4411, 40.7188,
86.9927

Harmonies

Analogous

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



23.2848, 25.9220, 14.9377



20.8333, 25.9220, 17.8153



19.4662, 25.9220, 23.8061

Triad

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



20.8333, 25.9220, 17.8153



23.0426, 25.9220, 47.4231



30.7316, 25.9220, 24.4571

Complementary

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



20.8333, 25.9220, 17.8153



20.3566, 17.6910, 29.9468

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.



30.6534, 25.9220, 33.1587



20.8333, 25.9220, 17.8153



26.0428, 25.9220, 47.6973

Square

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



20.8333, 25.9220, 17.8153



20.6686, 25.9220, 41.3717



28.8800, 25.9220, 42.0582



29.0859, 25.9220, 18.2074

Rectangle

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



20.8333, 25.9220, 17.8153



19.2778, 25.9220, 29.3172



28.8800, 25.9220, 42.0582



30.9099, 25.9220, 27.1596

Sweetspot

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



20.8340, 25.9231, 17.8159



45.5547, 50.3177, 48.3597



23.1665, 24.2238, 17.3649



10.2458, 11.4142, 10.7250



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.



20.8340, 25.9231, 17.8159



34.9209, 45.2893, 27.3707



19.5162, 25.2017, 19.6566



5.8965, 6.5545, 6.1948



10.1167, 18.6432, 3.0653



0.1522, 0.2428, 0.0388

Inverse Universe

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



20.3566, 17.6910, 29.9468



33.9066, 27.8756, 53.0280



22.0495, 18.6224, 27.3735



5.8540, 5.8157, 7.2837



9.0750, 4.1509, 24.2539



0.1421, 0.0668, 0.2983

Previews

White Background



This preview shows how the XYZ color 20.8333, 25.9220, 17.8153 looks on a white background.

Color Contrast Check

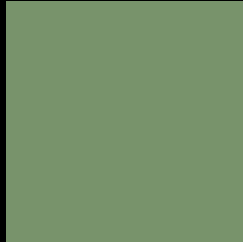
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.8333, 25.9220, 17.8153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

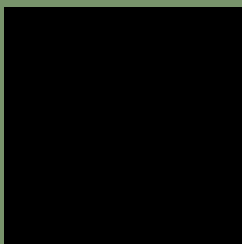
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.8333, 25.9220, 17.8153

Background



This preview shows how black text looks on a background with the XYZ color 20.8333, 25.9220, 17.8153.



This preview shows how white text looks on a background with the XYZ color 20.8333, 25.9220,

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

20.8333, 25.9220, 17.8153

Protanopia

24.0752, 25.8341, 16.5495

Deuteranopia

26.1023, 25.5822, 18.3140



Tritanopia

23.9448, 25.8288, 33.4292

Trichromacy



Original Color

20.8333, 25.9220, 17.8153

Protanomaly

22.6529, 25.7488, 16.8728

Deuteranomaly

23.8814, 25.4841, 18.1282

Tritanomaly

22.5786, 25.7076, 27.0646

Monochromacy



Original Color

20.8333, 25.9220, 17.8153

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.9240, 24.5876, 22.6591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8333, 25.9220, 17.8153 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(120, 147, 107)` looks like.

```
.text, #text, p{  
    color:rgb(120, 147, 107)  
}
```

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(120, 147, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 147, 107) }
```

Border

The CSS property to change the border of an element to XYZ 20.8333, 25.9220, 17.8153 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(120, 147, 107) }
```


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

```
.border{ border-color:rgb(120, 147, 107) }
```

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

Here you see how a box with a 4 pixel rgb(120, 147, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 147, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 147, 107);  
box-shadow:4px 4px 4px 4px rgb(120, 147,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8333, 25.9220, 17.8153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 147, 107) }
```

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

```
.background{ background-color: rgb(120,  
147, 107) }
```

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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