

Converting Colors

XYZ(20.1685, 24.5509, 17.4279)

Have a look what the booklet for
XYZ(20.1685, 24.5509, 17.4279)
contains.

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Color

**XYZ(20.0202, 24.3797,
17.2862)**

Conversions

Conversions Part 1

Format	Color
Hex	788E6A
RGB	120, 142, 106
RGB Percent	47%, 56%, 42%
CMY	0.5294, 0.4431, 0.5843
CMYK	0.15, 0.00, 0.25, 0.44
HSL	97°, 15%, 49%
HSV	97°, 25%, 56%
XYZ	20.0202, 24.3797, 17.2862
YIQ	131.3180, -1.5560, -15.8600

Conversions

Conversions Part 2

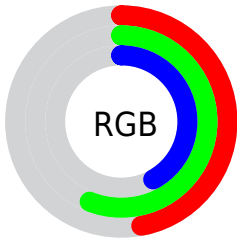
Format	Color
R_{YB}	106, 142, 128
Decimal	7900778
CIE _{Lab}	56.47, -14.86, 16.65
CIE _{LCh}	56, 22.313, 131.752
Yxy	24.3797, 0.3245, 0.3952
Android (android.graphics.Color)	4286090858 (0xFF788E6A)
YUV	131.3180, -12.4818, -9.9259
Hunter-Lab	49.3758, -14.0320, 13.8060

Details

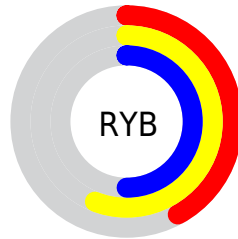
The XYZ color **20.0202, 24.3797, 17.2862** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.9397, 16.8510, 27.8469**, and the grayscale version is **21.7313, 22.8630, 24.8979**.

A 20% lighter version of the original color is **43.0593, 50.7984, 39.4339**, and **7.1894, 9.2994, 5.4190** is the 20% darker color. If you saturate the color by 10%, you get **18.1926, 23.5167, 13.6599**, and if you desaturate by 10%, it is **22.0805, 25.3500, 21.5628**.

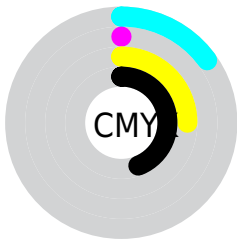
Distribution



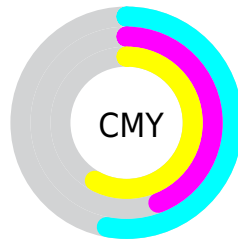
- Red (47%)
- Green (56%)
- Blue (42%)



- Red (42%)
- Yellow (56%)
- Blue (50%)



- Cyan (15%)
- Magenta (0%)
- Yellow (25%)
- Black (44%)



- Cyan (53%)
- Magenta (44%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0202, 24.3797, 17.2862 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 20.0202, 24.3797, 17.2862 by changing the saturation by 10% instead.

■ 20.0202, 24.3797,
17.2862

■ 20.0202, 24.3797,
17.2862

244.8559,
274.7345, 248.9159

■ 12.5181, 15.6155,
10.2746

■ 42.9547, 50.6491,
39.6146

■ 7.1722, 9.2525,
5.4735

■ 59.1179, 68.9231,
55.7685

■ 3.6173, 4.9062,
2.4641

■ 78.8987, 91.1359,
75.8069

■ 1.4880, 2.1924,
0.8210

■ 102.6626,
117.6718, 100.1484

■ 0.3177, 0.7158,
0.0000

130.7749,
148.9152, 129.2115

■ 0.0000, 0.0000,
0.0000

163.6010,

185.2505, 163.4147

201.5062,
227.0622, 203.1767

■ 20.0202, 24.3797,
17.2862

■ 20.0202, 24.3797,
17.2862

■ 18.1926, 23.5167,
13.6599

■ 22.0805, 25.3500,
21.5628

■ 16.5870, 22.7539,
10.6506

■ 24.3799, 26.4282,
26.5177

■ 15.1943, 22.0882,
8.2241

■ 26.9272, 27.6186,
32.1793

■ 14.0044, 21.5151,
6.3426

■ 29.7297, 28.9247,
38.5738

■ 13.0058, 21.0298,
4.9638

■ 32.7947, 30.3497,
45.7261

■ 12.1858, 20.6268,
4.0388

■ 36.1291, 31.8965,
53.6600

■ 11.5281, 20.2989,
3.5000

■ 39.7396, 33.5681,
62.3982

■ 11.2609, 20.1654,
3.2988

■ 43.6326, 35.3673,
71.9624

■ 47.8142, 37.2969,
82.3735

Harmonies

Analogous

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



22.1754, 24.3797, 14.9142



20.0202, 24.3797, 17.2862



18.7688, 24.3797, 22.3364

Triad

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



20.0202, 24.3797, 17.2862



21.6517, 24.3797, 42.4722



28.3819, 24.3797, 23.7528

Complementary

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



20.0202, 24.3797, 17.2862



18.9397, 16.8510, 27.8469

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.



28.2154, 24.3797, 31.2523



20.0202, 24.3797, 17.2862



24.1984, 24.3797, 43.0453

Square

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



20.0202, 24.3797, 17.2862



19.6614, 24.3797, 37.1866



26.6387, 24.3797, 38.6316



27.0778, 24.3797, 18.1566

Rectangle

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



20.0202, 24.3797, 17.2862



18.5546, 24.3797, 26.9825



26.6387, 24.3797, 38.6316



28.4985, 24.3797, 26.1129

Sweetspot

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



20.0208, 24.3808, 17.2867



41.8054, 46.0467, 44.1773



21.4249, 22.1266, 16.7776



9.2118, 10.2258, 9.5952



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



20.0208, 24.3808, 17.2867



33.5542, 42.1653, 26.9722



18.4103, 23.5284, 18.2094



5.5288, 6.1252, 5.7803



10.1296, 18.1146, 2.9626



0.1203, 0.1853, 0.0294

Inverse Universe

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



18.9397, 16.8510, 27.8469



31.3345, 26.7189, 48.6336



20.9268, 17.9061, 26.5514



5.4259, 5.4078, 6.7866



7.9158, 3.5743, 23.2498



0.1004, 0.0469, 0.2234

Previews

White Background



This preview shows how the XYZ color 20.0202, 24.3797, 17.2862 looks on a white background.

Color Contrast Check

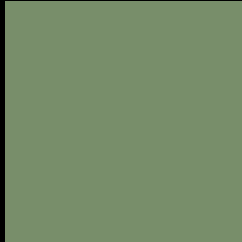
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0202, 24.3797, 17.2862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

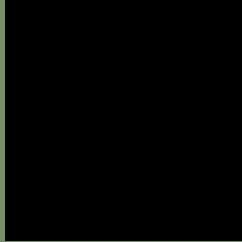
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.0202, 24.3797, 17.2862

Background



This preview shows how black text looks on a background with the XYZ color 20.0202, 24.3797, 17.2862.



This preview shows how white text looks on a background with the XYZ color 20.0202, 24.3797,

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

20.0202, 24.3797, 17.2862

Protanopia

22.6138, 24.2365, 16.3182

Deuteranopia

24.6476, 24.2375, 17.8472



Tritanopia

22.8163, 24.4335, 31.1174

Trichromacy



Original Color

20.0202, 24.3797, 17.2862

Protanomaly

21.5788, 24.3273, 16.6550

Deuteranomaly

22.7335, 24.0622, 17.6336

Tritanomaly

21.7097, 24.4163, 25.3984

Monochromacy



Original Color

20.0202, 24.3797, 17.2862

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.9292, 23.2451, 21.7960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0202, 24.3797, 17.2862 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, 142, 106)` looks like.

```
.text, #text, p{  
    color:rgb(120, 142, 106)  
}
```

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, 142, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 142, 106) }
```

Border

The CSS property to change the border of an element to XYZ 20.0202, 24.3797, 17.2862 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, 142, 106) }
```


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

```
.border{ border-color:rgb(120, 142, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 142, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 142, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 142, 106);  
box-shadow:4px 4px 4px 4px rgb(120, 142,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0202, 24.3797, 17.2862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 142, 106) }
```

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

```
.background{ background-color: rgb(120,  
142, 106) }
```

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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