

Converting Colors

XYZ(20.2801, 24.8443, 17.3452)

Have a look what the booklet for
XYZ(20.2801, 24.8443, 17.3452)
contains.

XYZ(20.1697, 24.6786, 17.3361)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.1697, 24.6786,
17.3361)**

Conversions

Conversions Part 1

Format	Color
Hex	788F6A
RGB	120, 143, 106
RGB Percent	47%, 56%, 42%
CMY	0.5294, 0.4392, 0.5843
CMYK	0.16, 0.00, 0.26, 0.44
HSL	97°, 15%, 49%
HSV	97°, 26%, 56%
XYZ	20.1697, 24.6786, 17.3361
YIQ	131.9050, -1.8310, -16.3830

Conversions

Conversions Part 2

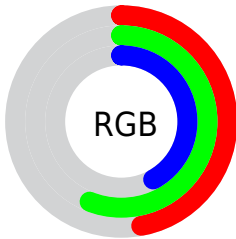
Format	Color
R _Y B	106, 143, 129
Decimal	7901034
CIE Lab	56.76, -15.39, 17.05
CIE LCh	57, 22.969, 132.071
Yxy	24.6786, 0.3244, 0.3969
Android (android.graphics.Color)	4286091114 (0xFF788F6A)
YUV	131.9050, -12.7712, -10.4407
Hunter-Lab	49.6776, -14.4625, 14.0837

Details

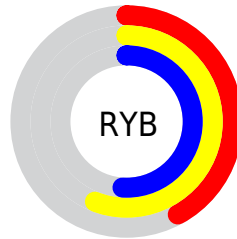
The XYZ color **20.1697, 24.6786, 17.3361** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.1663, 16.9591, 28.2512**, and the grayscale version is **21.9435, 23.0862, 25.1409**.

A 20% lighter version of the original color is **43.2856, 51.2511, 39.5093**, and **7.2766, 9.4738, 5.4481** is the 20% darker color. If you saturate the color by 10%, you get **18.3111, 23.8001, 13.6856**, and if you desaturate by 10%, it is **22.2681, 25.6679, 21.6462**.

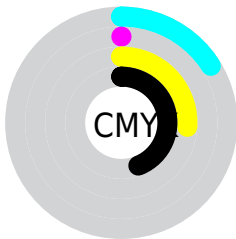
Distribution



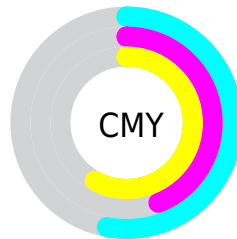
- Red (47%)
- Green (56%)
- Blue (42%)



- Red (42%)
- Yellow (56%)
- Blue (51%)



- Cyan (16%)
- Magenta (0%)
- Yellow (26%)
- Black (44%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1697, 24.6786, 17.3361 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 20.1697, 24.6786, 17.3361 by changing the saturation by 10% instead.

■ 20.1697, 24.6786,
17.3361

■ 20.1697, 24.6786,
17.3361

245.6484,
276.2335, 249.2110

■ 12.6274, 15.8378,
10.3099

■ 43.2033, 51.1353,
39.7013

■ 7.2477, 9.4094,
5.4966

■ 59.4253, 69.5200,
55.8774

■ 3.6652, 5.0092,
2.4777

■ 79.2713, 91.8548,
75.9405

■ 1.5145, 2.2527,
0.8283

■ 103.1067,
118.5240, 100.3093

■ 0.3357, 0.7485,
0.0000

131.2967,
149.9121, 129.4022

■ 0.0000, 0.0000,
0.0000

164.2068,

186.4035, 163.6377

202.2022,
228.3825, 203.4345

■ 20.1697, 24.6786,
17.3361

■ 20.1697, 24.6786,
17.3361

■ 18.3111, 23.8001,
13.6856

■ 22.2681, 25.6679,
21.6462

■ 16.6812, 23.0251,
10.6607

■ 24.6131, 26.7686,
26.6447

■ 15.2707, 22.3504,
8.2266

■ 27.2136, 27.9854,
32.3604

■ 14.0688, 21.7712,
6.3444

■ 30.0775, 29.3217,
38.8201

■ 13.0638, 21.2825,
4.9708

■ 33.2121, 30.7809,
46.0493

■ 12.2425, 20.8785,
4.0559

■ 36.6247, 32.3662,
54.0721

■ 11.5868, 20.5515,
3.5255

■ 40.3222, 34.0805,
62.9117

■ 11.3498, 20.4330,
3.3458

■ 44.3112, 35.9268,
72.5902

■ 48.5981, 37.9079,
83.1292

Harmonies

Analogous

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



22.3949, 24.6786, 14.8674



20.1697, 24.6786, 17.3361



18.8866, 24.6786, 22.5785

Triad

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



20.1697, 24.6786, 17.3361



21.9053, 24.6786, 43.5023



28.8656, 24.6786, 23.9008

Complementary

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



20.1697, 24.6786, 17.3361



19.1663, 16.9591, 28.2512

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.



28.7093, 24.6786, 31.6752



20.1697, 24.6786, 17.3361



24.5507, 24.6786, 44.0427

Square

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



20.1697, 24.6786, 17.3361



19.8348, 24.6786, 38.0236



27.0818, 24.6786, 39.3837



27.4937, 24.6786, 18.1446

Rectangle

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



20.1697, 24.6786, 17.3361



18.6737, 24.6786, 27.4078



27.0818, 24.6786, 39.3837



28.9927, 24.6786, 26.3408

Sweetspot

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



20.1703, 24.6797, 17.3366



43.0727, 47.4656, 45.5487



21.7563, 22.5335, 16.8388



9.7407, 10.8208, 10.1519



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



20.1703, 24.6797, 17.3366



34.1445, 43.2615, 27.1262



18.5988, 23.8429, 18.4648



5.5237, 6.1226, 5.7800



10.0568, 18.0771, 2.9592



0.1193, 0.1847, 0.0294

Inverse Universe

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



19.1663, 16.9591, 28.2512



32.0316, 27.0322, 50.0675



21.1198, 18.0032, 26.6680



5.4312, 5.4105, 6.7868



8.0416, 3.6392, 23.2557



0.1014, 0.0475, 0.2235

Previews

White Background



This preview shows how the XYZ color 20.1697, 24.6786, 17.3361 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 20.1697, 24.6786, 17.3361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

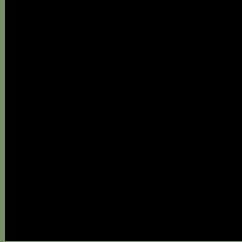
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.1697, 24.6786, 17.3361

Background



This preview shows how black text looks on a background with the XYZ color 20.1697, 24.6786, 17.3361.



This preview shows how white text looks on a background with the XYZ color 20.1697, 24.6786,

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

20.1697, 24.6786, 17.3361

Protanopia

22.9294, 24.6073, 16.3731

Deuteranopia

24.9772, 24.6058, 17.9010



Tritanopia

23.0434, 24.5415, 31.5394

Trichromacy



Original Color

20.1697, 24.6786, 17.3361

Protanomaly

21.8847, 24.6990, 16.7106

Deuteranomaly

22.8723, 24.3399, 17.6799

Tritanomaly

21.7784, 24.4438, 25.7606

Monochromacy



Original Color

20.1697, 24.6786, 17.3361

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.2814, 23.6276, 22.1778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1697, 24.6786, 17.3361 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, 143, 106)` looks like.

```
.text, #text, p{  
    color:rgb(120, 143, 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, 143, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 143, 106) }
```

Border

The CSS property to change the border of an element to XYZ 20.1697, 24.6786, 17.3361 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, 143, 106) }
```


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

```
.border{ border-color:rgb(120, 143, 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, 143, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 143, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 143, 106);  
box-shadow:4px 4px 4px 4px rgb(120, 143,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1697, 24.6786, 17.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 143, 106) }
```

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

```
.background{ background-color: rgb(120,  
143, 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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