

Converting Colors

XYZ(20.3403, 25.0104, 17.5287)

Have a look what the booklet for
XYZ(20.3403, 25.0104, 17.5287)
contains.

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Color

**XYZ(20.3728, 25.0011,
17.6619)**

Conversions

Conversions Part 1

Format	Color
Hex	78906B
RGB	120, 144, 107
RGB Percent	47%, 56%, 42%
CMY	0.5294, 0.4353, 0.5804
CMYK	0.17, 0.00, 0.26, 0.44
HSL	99°, 15%, 49%
HSV	99°, 26%, 56%
XYZ	20.3728, 25.0011, 17.6619
YIQ	132.6060, -2.4270, -16.5950

Conversions

Conversions Part 2

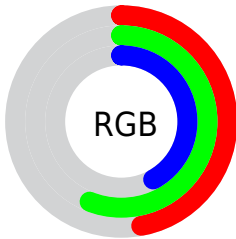
Format	Color
RYB	107, 144, 131
Decimal	7901291
CIELab	57.08, -15.75, 16.92
CIELCh	57, 23.118, 132.956
Yxy	25.0011, 0.3232, 0.3966
Android (android.graphics.Color)	4286091371 (0xFF78906B)
YUV	132.6060, -12.6238, -11.0555
Hunter-Lab	50.0011, -14.7726, 14.0577

Details

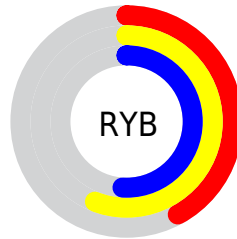
The XYZ color **20.3728, 25.0011, 17.6619** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.6529, 17.3551, 28.7009**, and the grayscale version is **22.1967, 23.3527, 25.4310**.

A 20% lighter version of the original color is **43.6857, 51.7756, 40.4921**, and **7.3907, 9.6608, 5.6129** is the 20% darker color. If you saturate the color by 10%, you get **18.4446, 24.0882, 13.9409**, and if you desaturate by 10%, it is **22.5549, 26.0318, 22.0545**.

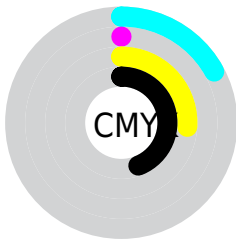
Distribution



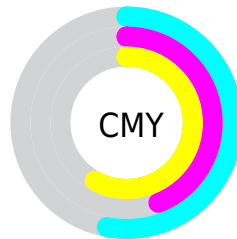
- Red (47%)
- Green (56%)
- Blue (42%)



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



- Cyan (17%)
- Magenta (0%)
- Yellow (26%)
- Black (44%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3728, 25.0011, 17.6619 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 20.3728, 25.0011, 17.6619 by changing the saturation by 10% instead.

■ 20.3728, 25.0011,
17.6619

■ 20.3728, 25.0011,
17.6619

246.7215,
277.8434, 251.1302

■ 12.7762, 16.0779,
10.5406

■ 43.5405, 51.6590,
40.2665

■ 7.3505, 9.5793,
5.6486

■ 59.8423, 70.1625,
56.5869

■ 3.7305, 5.1209,
2.5673

■ 79.7765, 92.6282,
76.8107

■ 1.5508, 2.3184,
0.8755

■ 103.7085,
119.4404, 101.3564

■ 0.3600, 0.7834,
0.0000

132.0037,
150.9837, 130.6428

■ 0.0000, 0.0000,
0.0000

165.0273,

187.6424, 165.0881

203.1448,
229.8008, 205.1111

■ 20.3728, 25.0011,
17.6619

■ 20.3728, 25.0011,
17.6619

■ 18.4446, 24.0882,
13.9409

■ 22.5549, 26.0318,
22.0545

■ 16.7586, 23.2855,
10.8568

■ 24.9983, 27.1812,
27.1479

■ 15.3047, 22.5895,
8.3743

■ 27.7123, 28.4543,
32.9714

■ 14.0717, 21.9951,
6.4540

■ 30.7054, 29.8547,
39.5523

■ 13.0470, 21.4968,
5.0517

■ 33.9854, 31.3860,
46.9164

■ 12.2166, 21.0886,
4.1168

■ 37.5601, 33.0516,
55.0884

■ 11.5620, 20.7624,
3.5762

■ 41.4367, 34.8549,
64.0918

■ 11.3184, 20.6407,
3.3875

■ 45.6225, 36.7988,
73.9491

■ 50.1241, 38.8866,
84.6822

Harmonies

Analogous

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



22.6090, 25.0011, 15.0745



20.3728, 25.0011, 17.6619



19.1033, 25.0011, 23.0618

Triad

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



20.3728, 25.0011, 17.6619



22.2619, 25.0011, 44.2084



29.2351, 25.0011, 23.9988

Complementary

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



20.3728, 25.0011, 17.6619



19.6529, 17.3551, 28.7009

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.



29.1243, 25.0011, 31.8545



20.3728, 25.0011, 17.6619



24.9552, 25.0011, 44.5918

Square

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



20.3728, 25.0011, 17.6619



20.1355, 25.0011, 38.7627



27.5094, 25.0011, 39.7275



27.8015, 25.0011, 18.2346

Rectangle

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



20.3728, 25.0011, 17.6619



18.9112, 25.0011, 28.0019



27.5094, 25.0011, 39.7275



29.3803, 25.0011, 26.4566

Sweetspot

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



20.3735, 25.0022, 17.6624



42.9812, 47.4185, 45.5445



22.1968, 23.0727, 17.1939



9.7165, 10.8083, 10.1507



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.



20.3735, 25.0022, 17.6624



33.8587, 43.1141, 27.1128



18.9584, 24.2418, 18.9902



5.5105, 6.1158, 5.7794



9.8794, 17.9856, 2.9509



0.1167, 0.1834, 0.0293

Inverse Universe

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



19.6529, 17.3551, 28.7009



32.3563, 27.1996, 50.0827



21.4253, 18.3114, 26.8580



5.4449, 5.4175, 6.7875



8.3772, 3.8122, 23.2714



0.1040, 0.0488, 0.2236

Previews

White Background



This preview shows how the XYZ color 20.3728, 25.0011, 17.6619 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 20.3728, 25.0011, 17.6619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

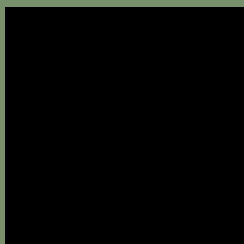
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.3728, 25.0011, 17.6619

Background



This preview shows how black text looks on a background with the XYZ color 20.3728, 25.0011, 17.6619.



This preview shows how white text looks on a background with the XYZ color 20.3728, 25.0011,

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

20.3728, 25.0011, 17.6619

Protanopia

23.2984, 25.0018, 16.6946

Deuteranopia

25.2288, 24.7293, 18.1954



Tritanopia

23.2657, 24.8589, 32.0058

Trichromacy



Original Color

20.3728, 25.0011, 17.6619

Protanomaly

22.2444, 25.0945, 17.0359

Deuteranomaly

23.2415, 24.7322, 18.0168

Tritanomaly

21.9933, 24.7625, 26.1747

Monochromacy



Original Color

20.3728, 25.0011, 17.6619

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.4858, 23.9358, 22.5564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3728, 25.0011, 17.6619 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, 144, 107)` looks like.

```
.text, #text, p{  
    color:rgb(120, 144, 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, 144, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 144, 107) }
```

Border

The CSS property to change the border of an element to XYZ 20.3728, 25.0011, 17.6619 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, 144, 107) }
```


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

```
.border{ border-color:rgb(120, 144, 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, 144, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 144, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 144, 107);  
box-shadow:4px 4px 4px 4px rgb(120, 144,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3728, 25.0011, 17.6619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 144, 107) }
```

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

```
.background{ background-color: rgb(120,  
144, 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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