

Converting Colors

XYZ(20.6184, 20.0195, 1.3144)

Have a look what the booklet for
XYZ(20.6184, 20.0195, 1.3144)
contains.

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Color

**XYZ(20.8585, 20.1962,
2.7989)**

Conversions

Conversions Part 1

Format	Color
Hex	A07500
RGB	160, 117, 0
RGB Percent	63%, 46%, 0%
CMY	0.3726, 0.5412, 1.0000
CMYK	0.00, 0.27, 1.00, 0.37
HSL	44°, 100%, 31%
HSV	44°, 100%, 63%
XYZ	20.8585, 20.1962, 2.7989
YIQ	116.5190, 63.1850, -27.2710

Conversions

Conversions Part 2

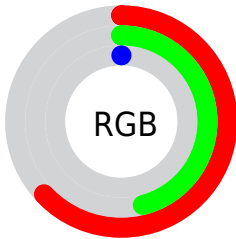
Format	Color
R_{YB}	59, 160, 0
Decimal	10515712
CIE Lab	52.06, 8.24, 58.32
CIE LCh	52, 58.895, 81.961
Yxy	20.1962, 0.4756, 0.4605
Android (android.graphics.Color)	4288705792 (0xFFA07500)
YUV	116.5190, -57.4439, 38.1328
Hunter-Lab	44.9402, 4.2035, 27.7655

Details

The XYZ color **20.8585, 20.1962, 2.7989** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.2092, 4.2660, 33.7008**, and the grayscale version is **16.9186, 17.7997, 19.3839**.

A 20% lighter version of the original color is **44.3555, 43.8177, 11.1209**, and **7.7216, 7.1398, 0.9711** is the 20% darker color. If you saturate the color by 10%, you get **20.8587, 20.1967, 2.7990**, and if you desaturate by 10%, it is **21.4651, 21.2598, 3.4627**.

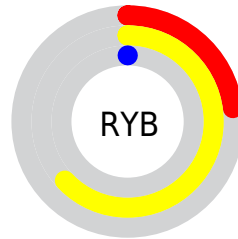
Distribution



Red (63%)

Green (46%)

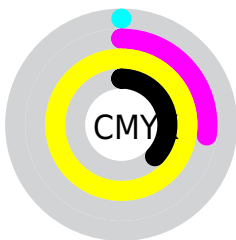
Blue (0%)



Red (23%)

Yellow (63%)

Blue (0%)

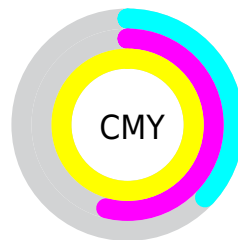


Cyan (0%)

Magenta (27%)

Yellow (100%)

Black (37%)



Cyan (37%)

Magenta (54%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8585, 20.1962, 2.7989 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 20.8585, 20.1962, 2.7989 by changing the saturation by 10% instead.

■ 20.8585, 20.1962,
2.7989

■ 20.8585, 20.1962,
2.7989

249.2715,
252.9753, 133.7566

■ 13.1325, 12.5377,
0.9929

■ 44.3450, 43.7459,
11.1280

■ 7.5975, 7.1110,
0.0000

■ 60.8361, 60.4059,
18.4883

■ 3.8881, 3.5316,
0.0000

■ 80.9797, 80.8352,
28.5370

■ 1.6390, 1.4152,
0.0000

■ 105.1411,
105.4183, 41.6927

■ 0.4176, 0.2279,
0.0000

■ 133.6856,
134.5394, 58.3740

■ 0.0000, 0.0000,
0.0000

■ 166.9786,

168.5830, 78.9994

■ 205.3855,
207.9335, 103.9874

■ 20.8585, 20.1962,
2.7989

■ 20.8585, 20.1962,
2.7989

■ 20.8587, 20.1967,
2.7990

■ 21.4651, 21.2598,
3.4627

■ 22.1682, 22.3985,
4.5220

■ 23.0006, 23.6266,
6.1452

■ 23.9759, 24.9502,
8.4038

■ 25.1061, 26.3745,
11.3584

■ 26.4016, 27.9039,
15.0625

■ 27.8717, 29.5428,
19.5646

■ 29.5252, 31.2951,
24.9089

■ 31.3701, 33.1643,
31.1363

Harmonies

Analogous

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



27.2377, 20.1962, 4.8623



20.8585, 20.1962, 2.7989



15.1886, 20.1962, 3.3581

Triad

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



20.8585, 20.1962, 2.7989



10.3459, 20.1962, 36.8430



29.8174, 20.1962, 49.3540

Complementary

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



20.8585, 20.1962, 2.7989



7.2092, 4.2660, 33.7008

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.



23.8524, 20.1962, 69.2117



20.8585, 20.1962, 2.7989



12.9167, 20.1962, 59.7358

Square

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



20.8585, 20.1962, 2.7989



9.8729, 20.1962, 17.6772



17.6240, 20.1962, 73.7695



33.0704, 20.1962, 26.9532

Rectangle

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



20.8585, 20.1962, 2.7989



12.4568, 20.1962, 5.4147



17.6240, 20.1962, 73.7695



28.0104, 20.1962, 56.9443

Sweetspot

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



20.8589, 20.1972, 2.7993



50.4429, 53.4626, 35.0060



14.9774, 7.6658, 3.2072



10.8250, 11.4634, 6.9385



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.8589, 20.1972, 2.7993



37.6991, 36.3224, 5.0240



21.0771, 29.5266, 4.5885



7.0193, 7.4186, 7.0476



16.2863, 15.8083, 2.1929



0.3238, 0.3478, 0.0501

Inverse Universe

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



7.2092, 4.2660, 33.7008



12.9445, 7.4553, 61.1433



7.0273, 2.8898, 33.4448



6.4226, 6.7109, 8.3635



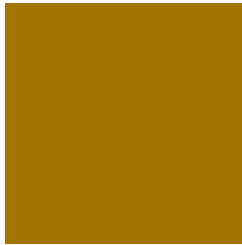
5.6479, 3.3874, 26.2634



0.1330, 0.1246, 0.4803

Previews

White Background



This preview shows how the XYZ color 20.8585, 20.1962, 2.7989 looks on a white background.

Color Contrast Check

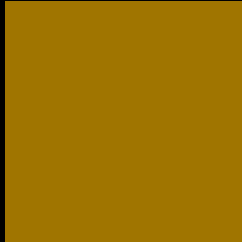
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8585, 20.1962, 2.7989 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 20.8585, 20.1962, 2.7989

Background



This preview shows how black text looks on a background with the XYZ color 20.8585, 20.1962, 2.7989.



This preview shows how white text looks on a background with the XYZ color 20.8585, 20.1962,

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

20.8585, 20.1962, 2.7989

Protanopia

18.3674, 20.3497, 3.2183

Deuteranopia

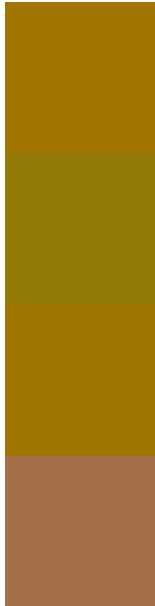
20.5790, 20.2260, 2.8194



Tritanopia

24.1966, 20.2210, 19.4574

Trichromacy



Original Color

20.8585, 20.1962, 2.7989

Protanomaly

19.2051, 20.2281, 3.0645

Deuteranomaly

20.7765, 20.3278, 2.8286

Tritanomaly

22.1345, 19.8693, 9.1471

Monochromacy



Original Color

20.8585, 20.1962, 2.7989

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.2702, 18.2035, 9.0820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8585, 20.1962, 2.7989 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(160, 117, 0)` looks like.

```
.text, #text, p{  
    color:rgb(160, 117, 0)  
}
```

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(160, 117, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 117, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.8585, 20.1962, 2.7989 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(160, 117, 0) }
```


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

```
.border{ border-color:rgb(160, 117, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 117, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 117, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 117, 0);  
box-shadow:4px 4px 4px 4px rgb(160, 117,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8585, 20.1962, 2.7989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 117, 0) }
```

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

```
.background{ background-color: rgb(160,  
117, 0) }
```

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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