

Converting Colors

XYZ(20.2277, 18.8062, 1.1956)

Have a look what the booklet for
XYZ(20.2277, 18.8062, 1.1956)
contains.

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Color

**XYZ(20.4762, 18.8332,
2.5560)**

Conversions

Conversions Part 1

Format	Color
Hex	A26E00
RGB	162, 110, 0
RGB Percent	64%, 43%, 0%
CMY	0.3647, 0.5686, 1.0000
CMYK	0.00, 0.32, 1.00, 0.36
HSL	41°, 100%, 32%
HSV	41°, 100%, 64%
XYZ	20.4762, 18.8332, 2.5560
YIQ	113.0080, 66.3020, -23.1860

Conversions

Conversions Part 2

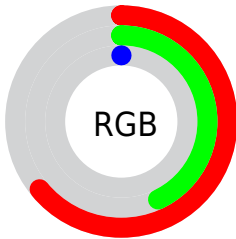
Format	Color
R_{YB}	77, 162, 0
Decimal	10644992
CIE Lab	50.49, 13.14, 57.37
CIE LCh	50, 58.859, 77.105
Yxy	18.8332, 0.4891, 0.4499
Android (android.graphics.Color)	4288835072 (0xFFA26E00)
YUV	113.0080, -55.7129, 42.9660
Hunter-Lab	43.3972, 8.2768, 26.8860

Details

The XYZ color **20.4762, 18.8332, 2.5560** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.7498, 5.0649, 34.7513**, and the grayscale version is **15.8455, 16.6707, 18.1544**.

A 20% lighter version of the original color is **43.7945, 41.3895, 10.5312**, and **7.6032, 6.5583, 0.8651** is the 20% darker color. If you saturate the color by 10%, you get **20.4763, 18.8336, 2.5560**, and if you desaturate by 10%, it is **21.1493, 20.0274, 3.2494**.

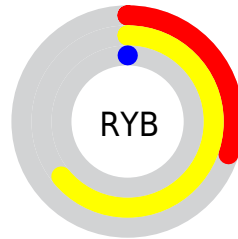
Distribution



Red (64%)

Green (43%)

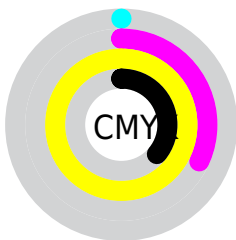
Blue (0%)



Red (30%)

Yellow (64%)

Blue (0%)

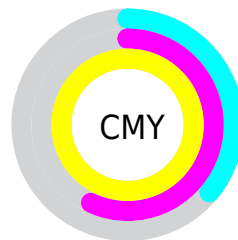


Cyan (0%)

Magenta (32%)

Yellow (100%)

Black (36%)



Cyan (36%)

Magenta (57%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4762, 18.8332, 2.5560 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 20.4762, 18.8332, 2.5560 by changing the saturation by 10% instead.

■ 20.4762, 18.8332,
2.5560

■ 20.4762, 18.8332,
2.5560

247.2663,
245.5264, 130.4876

■ 12.8519, 11.5498,
0.8696

■ 43.7120, 41.4521,
10.5116

■ 7.4030, 6.4379,
0.0000

■ 60.0543, 57.5563,
17.6211

■ 3.7639, 3.1132,
0.0000

■ 80.0333, 77.3697,
27.3762

■ 1.5695, 1.1911,
0.0000

■ 104.0143,
101.2765, 40.1957


■ 0.3724, 0.0544,
0.0000


■ 132.3628,
129.6612, 56.4981


■ 0.0000, 0.0000,
0.0000


■ 165.4440,


162.9081, 76.7018


 203.6234,
201.4017, 101.2255


 20.4762, 18.8332,
2.5560


 20.4762, 18.8332,
2.5560


 20.4763, 18.8336,
2.5560

 21.1493, 20.0274,
3.2494

 21.9316, 21.3182,
4.3546

 22.8566, 22.7203,
6.0433

 23.9387, 24.2406,
8.3891

 25.1903, 25.8847,
11.4547

■ 26.6224, 27.6579,
15.2955

■ 28.2449, 29.5649,
19.9613

■ 30.0669, 31.6101,
25.4979

■ 32.0970, 33.7977,
31.9476

Harmonies

Analogous

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



26.5054, 18.8332, 4.9792



20.4762, 18.8332, 2.5560



14.8487, 18.8332, 2.7088

Triad

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



20.4762, 18.8332, 2.5560



9.2933, 18.8332, 31.2692



27.2564, 18.8332, 50.3932

Complementary

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



20.4762, 18.8332, 2.5560



7.7498, 5.0649, 34.7513

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.



21.3439, 18.8332, 67.9308



20.4762, 18.8332, 2.5560



11.3941, 18.8332, 53.4397

Square

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



20.4762, 18.8332, 2.5560



9.1585, 18.8332, 14.2341



15.5502, 18.8332, 69.2738



30.9465, 18.8332, 28.3936

Rectangle

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



20.4762, 18.8332, 2.5560



12.0374, 18.8332, 4.2228



15.5502, 18.8332, 69.2738



25.4119, 18.8332, 57.4188

Sweetspot

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



20.4766, 18.8342, 2.5564



51.0979, 53.4675, 35.7085



15.5662, 7.9479, 4.2043



11.2029, 11.6909, 7.2224



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.4766, 18.8342, 2.5564



36.9809, 33.8057, 4.5760



22.9121, 30.9914, 4.7746



7.4568, 7.8521, 7.5027



16.1720, 14.9179, 2.0271



0.3796, 0.3930, 0.0559

Inverse Universe

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



7.7498, 5.0649, 34.7513



13.9027, 8.8621, 63.0339



6.9738, 2.8419, 34.3631



6.8774, 7.2139, 8.9330



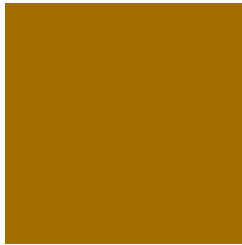
6.1406, 4.0606, 27.3899



0.1701, 0.1676, 0.5892

Previews

White Background



This preview shows how the XYZ color 20.4762, 18.8332, 2.5560 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 20.4762, 18.8332, 2.5560 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 20.4762, 18.8332, 2.5560

Background



This preview shows how black text looks on a background with the XYZ color 20.4762, 18.8332, 2.5560.



This preview shows how white text looks on a background with the XYZ color 20.4762, 18.8332,

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

20.4762, 18.8332, 2.5560

Protanopia

17.0511, 18.9331, 3.0724

Deuteranopia

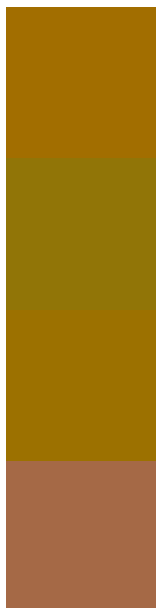
19.1542, 18.8069, 2.6206



Tritanopia

23.5022, 18.8440, 17.1504

Trichromacy



Original Color

20.4762, 18.8332, 2.5560

Protanomaly

18.0767, 18.7577, 2.8689

Deuteranomaly

19.6154, 18.8782, 2.6100

Tritanomaly

21.6741, 18.5447, 8.2315

Monochromacy



Original Color

20.4762, 18.8332, 2.5560

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.3239, 16.8815, 8.5290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4762, 18.8332, 2.5560 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(162, 110, 0)` looks like.

```
.text, #text, p{  
    color:rgb(162, 110, 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(162, 110, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 110, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.4762, 18.8332, 2.5560 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(162, 110, 0) }
```


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

```
.border{ border-color:rgb(162, 110, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 110, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 110, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 110, 0);  
box-shadow:4px 4px 4px 4px rgb(162, 110,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4762, 18.8332, 2.5560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 110, 0) }
```

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

```
.background{ background-color: rgb(162,  
110, 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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