

Converting Colors

XYZ(12.2131, 20.2720, 3.2692)

Have a look what the booklet for
XYZ(12.2131, 20.2720, 3.2692)
contains.

XYZ(12.2021, 20.2120, 3.2582)	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(12.2021, 20.2120,
3.2582)**

Conversions

Conversions Part 1

Format	Color
Hex	4A8C00
RGB	74, 140, 0
RGB Percent	29%, 55%, 0%
CMY	0.7098, 0.4510, 1.0000
CMYK	0.47, 0.00, 1.00, 0.45
HSL	88°, 100%, 27%
HSV	88°, 100%, 55%
XYZ	12.2021, 20.2120, 3.2582
YIQ	104.3060, 5.6040, -57.5320

Conversions

Conversions Part 2

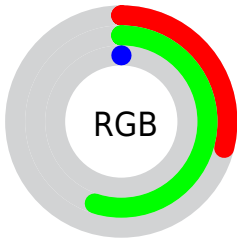
Format	Color
R_{YB}	0, 140, 66
Decimal	4885504
CIE _{Lab}	52.08, -41.20, 55.28
CIE _{LCh}	52, 68.944, 126.696
Yxy	20.2120, 0.3421, 0.5666
Android (android.graphics.Color)	4283075584 (0xFF4A8C00)
YUV	104.3060, -51.4229, -26.5784
Hunter-Lab	44.9578, -30.2289, 27.1735

Details

The XYZ color **12.2021, 20.2120, 3.2582** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.9817, 3.0525, 25.0333**, and the grayscale version is **13.3737, 14.0702, 15.3225**.

A 20% lighter version of the original color is **29.3582, 43.6559, 12.1893**, and **3.7104, 7.2159, 1.1973** is the 20% darker color. If you saturate the color by 10%, you get **12.2021, 20.2126, 3.2583**, and if you desaturate by 10%, it is **12.8170, 20.5205, 3.7012**.

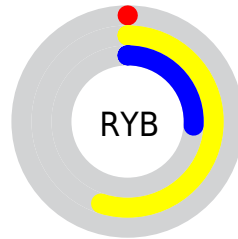
Distribution



Red (29%)

Green (55%)

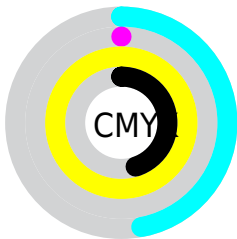
Blue (0%)



Red (0%)

Yellow (55%)

Blue (26%)

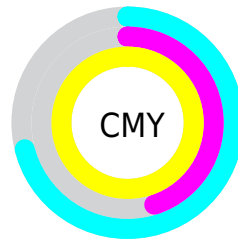


Cyan (47%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (71%)

Magenta (45%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2021, 20.2120, 3.2582 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 12.2021, 20.2120, 3.2582 by changing the saturation by 10% instead.

■ 12.2021, 20.2120,
3.2582

■ 12.2021, 20.2120,
3.2582

■ 199.4814,
253.0605, 139.5841

■ 6.9546, 12.5492,
1.2279

■ 29.4763, 43.7723,
12.2592

■ 3.4798, 7.1189,
0.0016

■ 42.2338, 60.4387,
20.0670

■ 1.4123, 3.5366,
0.0000

■ 58.2254, 80.8750,
30.6377

■ 0.2650, 1.4179,
0.0000

■ 77.8163, 105.4658,
44.3899


■ 0.0000, 0.2298,
0.0000


■ 101.3721,
134.5953, 61.7421


■ 0.0000, 0.0000,
0.0000


■ 129.2579,


168.6480, 83.1128


 161.8392,
208.0083, 108.9207


 12.2021, 20.2120,
3.2582


 12.2021, 20.2120,
3.2582


 12.2021, 20.2126,
3.2583

 12.8170, 20.5205,
3.7012

 13.5375, 20.8769,
4.4155

 14.3925, 21.2935,
5.5431

 15.3928, 21.7750,
7.1346

 16.5482, 22.3254,
9.2334

■ 17.8673, 22.9483,
11.8778

■ 19.3580, 23.6469,
15.1025

■ 21.0274, 24.4243,
18.9392

■ 22.8826, 25.2835,
23.4174

Harmonies

Analogous

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



17.6749, 20.2120, 1.5914



12.2021, 20.2120, 3.2582



9.2651, 20.2120, 9.9542

Triad

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



12.2021, 20.2120, 3.2582



14.3363, 20.2120, 80.2940



36.0422, 20.2120, 17.7884

Complementary

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



12.2021, 20.2120, 3.2582



6.9817, 3.0525, 25.0333

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.



34.5240, 20.2120, 41.1912



12.2021, 20.2120, 3.2582



20.8334, 20.2120, 87.3633

Square

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



12.2021, 20.2120, 3.2582



10.2703, 20.2120, 54.2674



28.4919, 20.2120, 70.0475



32.2425, 20.2120, 6.0158

Rectangle

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



12.2021, 20.2120, 3.2582



8.6153, 20.2120, 19.8469



28.4919, 20.2120, 70.0475



36.1485, 20.2120, 24.3193

Sweetspot

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



12.2026, 20.2129, 3.2586



33.9500, 41.6058, 26.2296



12.7257, 9.3955, 1.1431



7.5907, 9.4784, 5.5335



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.



12.2026, 20.2129, 3.2586



21.3252, 35.5380, 5.7356



9.4371, 18.7872, 3.1292



5.2076, 5.7298, 5.3839



10.8646, 17.9709, 2.8961



0.0891, 0.1281, 0.0200

Inverse Universe

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



6.9817, 3.0525, 25.0333



12.1248, 5.2865, 44.1243



14.7799, 7.0726, 25.3982



4.9842, 5.0003, 6.3083



6.2253, 2.7234, 22.2432



0.0580, 0.0267, 0.1485

Previews

White Background



This preview shows how the XYZ color 12.2021, 20.2120, 3.2582 looks on a white background.

Color Contrast Check

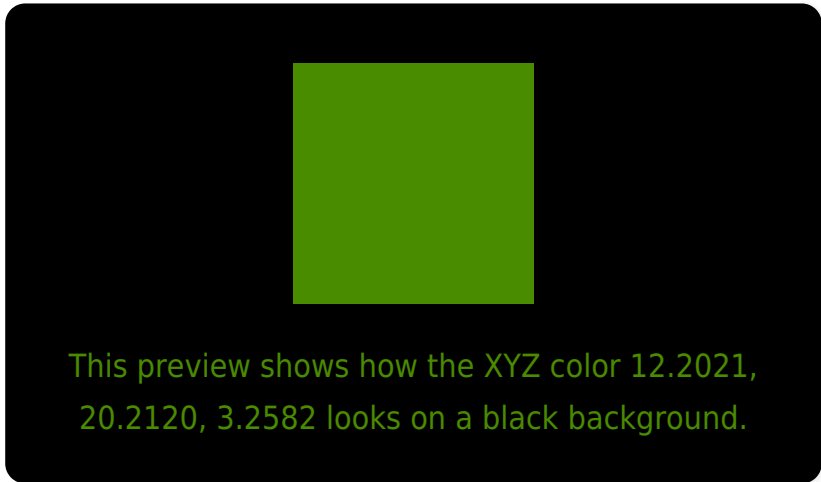
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 12.2021, 20.2120, 3.2582

Background



This preview shows how black text looks on a background with the XYZ color 12.2021, 20.2120, 3.2582.



This preview shows how white text looks on a background with the XYZ color 12.2021, 20.2120,

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

12.2021, 20.2120, 3.2582

Protanopia

18.0229, 19.9908, 2.9087

Deuteranopia

20.2812, 19.8743, 3.8658



Tritanopia

17.2040, 20.1637, 28.1845

Trichromacy



Original Color

12.2021, 20.2120, 3.2582

Protanomaly

15.1851, 19.6783, 2.9979

Deuteranomaly

16.0470, 19.1465, 3.4221

Tritanomaly

14.1169, 19.7197, 12.7351

Monochromacy



Original Color

12.2021, 20.2120, 3.2582

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

11.8589, 15.4431, 7.5100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2021, 20.2120, 3.2582 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(74, 140, 0)` looks like.

```
.text, #text, p{  
    color:rgb(74, 140, 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(74, 140, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 140, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.2021, 20.2120, 3.2582 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(74, 140, 0) }
```


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

```
.border{ border-color:rgb(74, 140, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 140, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 140, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 140, 0);  
box-shadow:4px 4px 4px 4px rgb(74, 140, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.2021, 20.2120, 3.2582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 140, 0) }
```

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

```
.background{ background-color: rgb(74, 140,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor