

Converting Colors

XYZ(10.5056, 20.2433, 0.8798)

Have a look what the booklet for
XYZ(10.5056, 20.2433, 0.8798)
contains.

XYZ(11.0120, 20.4820, 3.3730)	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(11.0120, 20.4820,
3.3730)**

Conversions

Conversions Part 1

Format	Color
Hex	2C9000
RGB	44, 144, 0
RGB Percent	17%, 56%, 0%
CMY	0.8274, 0.4353, 1.0000
CMYK	0.69, 0.00, 1.00, 0.44
HSL	102°, 100%, 28%
HSV	102°, 100%, 56%
XYZ	11.0120, 20.4820, 3.3730
YIQ	97.6840, -13.3760, -65.9840

Conversions

Conversions Part 2

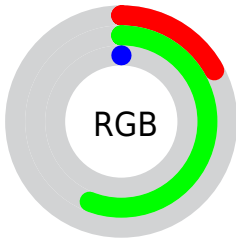
Format	Color
R_{YB}	0, 144, 100
Decimal	2920448
CIE _{Lab}	52.38, -50.98, 55.08
CIE _{LCh}	52, 75.053, 132.787
Yxy	20.4820, 0.3158, 0.5874
Android (android.graphics.Color)	4281110528 (0xFF2C9000)
YUV	97.6840, -48.1582, -47.0809
Hunter-Lab	45.2570, -35.7670, 27.2611

Details

The XYZ color **11.0120, 20.4820, 3.3730** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **10.2912, 4.7239, 26.7561**, and the grayscale version is **11.6499, 12.2566, 13.3474**.

A 20% lighter version of the original color is **27.4107, 44.3284, 12.5804**, and **3.8271, 7.6543, 1.2757** is the 20% darker color. If you saturate the color by 10%, you get **11.0121, 20.4827, 3.3732**, and if you desaturate by 10%, it is **11.5772, 20.7645, 3.8280**.

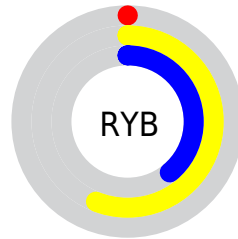
Distribution



Red (17%)

Green (56%)

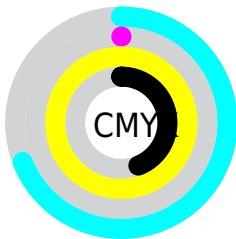
Blue (0%)



Red (0%)

Yellow (56%)

Blue (39%)

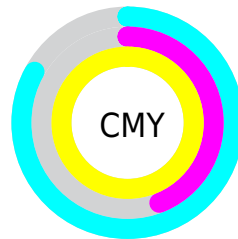


Cyan (69%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (83%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.0120, 20.4820, 3.3730 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 11.0120, 20.4820, 3.3730 by changing the saturation by 10% instead.


 11.0120, 20.4820,
3.3730


 11.0120, 20.4820,
3.3730


191.6564,
254.5126, 140.9781


 6.1423, 12.7459,
1.2881


 27.3151, 44.2238,
12.5357


 2.9733, 7.2538,
0.0520


 39.4792, 60.9983,
20.4507


 1.1396, 3.6213,
0.0000

 54.8054, 81.5544,
31.1460

 0.0579, 1.4641,
0.0000

 73.6592, 106.2765,
45.0404


 0.0000, 0.2632,
0.0000


 96.4058, 135.5490,
62.5522


 0.0000, 0.0000,
0.0000


 123.4107,


169.7562, 84.1001


 155.0391,
209.2827, 110.1025


 11.0120, 20.4820,
3.3730


 11.0120, 20.4820,
3.3730


 11.0121, 20.4827,
3.3732

 11.5772, 20.7645,
3.8280

 12.3076, 21.1252,
4.5790

 13.2379, 21.5793,
5.7733

 14.3841, 22.1339,
7.4655

 15.7604, 22.7953,
9.7021

■ 17.3797, 23.5693,
12.5246

■ 19.2538, 24.4611,
15.9703

■ 21.3937, 25.4757,
20.0735

■ 23.8099, 26.6177,
24.8658

Harmonies

Analogous

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



16.3580, 20.4820, 1.2157



11.0120, 20.4820, 3.3730



8.4369, 20.4820, 11.9227

Triad

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



11.0120, 20.4820, 3.3730



15.3898, 20.4820, 92.7417



37.8705, 20.4820, 14.1404

Complementary

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



11.0120, 20.4820, 3.3730



10.2912, 4.7239, 26.7561

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.



37.4091, 20.4820, 37.4292



11.0120, 20.4820, 3.3730



22.9481, 20.4820, 94.9608

Square

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



11.0120, 20.4820, 3.3730



10.4658, 20.4820, 65.5481



31.4179, 20.4820, 70.4374



32.5486, 20.4820, 4.0773

Rectangle

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



11.0120, 20.4820, 3.3730



8.0709, 20.4820, 24.4372



31.4179, 20.4820, 70.4374



38.4205, 20.4820, 20.2939

Sweetspot

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



11.0125, 20.4829, 3.3735



33.7387, 43.0379, 27.7555



15.9078, 14.7409, 2.0071



7.4407, 9.7287, 5.8140



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.



11.0125, 20.4829, 3.3735



19.2705, 36.0471, 5.9421



10.1649, 20.0238, 4.3306



5.4882, 6.1043, 5.7784



9.6110, 17.8472, 2.9383



0.1123, 0.1811, 0.0290

Inverse Universe

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



10.2912, 4.7239, 26.7561



17.9747, 8.2406, 47.1813



14.7487, 7.2284, 17.6343



5.4681, 5.4295, 6.7886



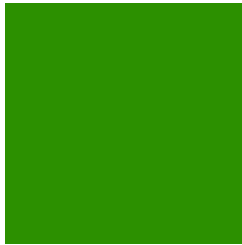
8.9856, 4.1258, 23.2999



0.1084, 0.0510, 0.2238

Previews

White Background



This preview shows how the XYZ color 11.0120, 20.4820, 3.3730 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 11.0120, 20.4820, 3.3730 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 11.0120, 20.4820, 3.3730

Background



This preview shows how black text looks on a background with the XYZ color 11.0120, 20.4820, 3.3730.



This preview shows how white text looks on a background with the XYZ color 11.0120, 20.4820,

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

11.0120, 20.4820, 3.3730

Protanopia

18.1488, 20.2427, 2.9507

Deuteranopia

20.4361, 20.1237, 4.1035



Tritanopia

16.3836, 20.5110, 29.8836

Trichromacy



Original Color

11.0120, 20.4820, 3.3730

Protanomaly

14.0770, 19.5058, 3.0231

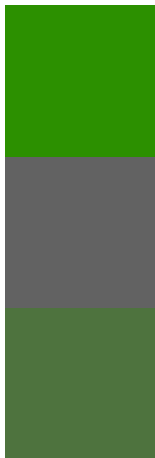
Deuteranomaly

14.7859, 18.8741, 3.5256

Tritanomaly

13.0069, 19.9738, 13.2950

Monochromacy



Original Color

11.0120, 20.4820, 3.3730

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

10.1421, 14.2290, 6.7693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.0120, 20.4820, 3.3730 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(44, 144, 0)` looks like.

```
.text, #text, p{  
    color:rgb(44, 144, 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(44, 144, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 144, 0) }
```

Border

The CSS property to change the border of an element to XYZ 11.0120, 20.4820, 3.3730 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(44, 144, 0) }
```


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

```
.border{ border-color:rgb(44, 144, 0) }
```

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

Here you see how a box with a 4 pixel rgb(44, 144, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 144, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 144, 0);  
box-shadow:4px 4px 4px 4px rgb(44, 144, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.0120, 20.4820, 3.3730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 144, 0) }
```

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

```
.background{ background-color: rgb(44, 144,  
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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