

Converting Colors

XYZ(11.2002, 17.4272, 12.1717)

Have a look what the booklet for
XYZ(11.2002, 17.4272, 12.1717)
contains.

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Color

**XYZ(11.2020, 17.4166,
12.2225)**

Conversions

Conversions Part 1

Format	Color
Hex	348259
RGB	52, 130, 89
RGB Percent	20%, 51%, 35%
CMY	0.7961, 0.4902, 0.6510
CMYK	0.60, 0.00, 0.32, 0.49
HSL	148°, 43%, 36%
HSV	148°, 60%, 51%
XYZ	11.2020, 17.4166, 12.2225
YIQ	102.0040, -33.3270, -29.2870

Conversions

Conversions Part 2

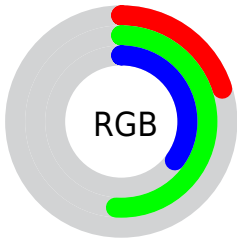
Format	Color
RYB	52, 105, 130
Decimal	3441241
CIELab	48.78, -34.08, 15.21
CIElCh	49, 37.324, 155.947
Yxy	17.4166, 0.2743, 0.4264
Android (android.graphics.Color)	4281631321 (0xFF348259)
YUV	102.0040, -6.4110, -43.8535
Hunter-Lab	41.7332, -25.1202, 11.8488

Details

The XYZ color **11.2020, 17.4166, 12.2225** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.4103, 7.9926, 11.2454**, and the grayscale version is **12.6532, 13.3122, 14.4970**.

A 20% lighter version of the original color is **27.7445, 39.2092, 30.5319**, and **3.3047, 5.9117, 3.2524** is the 20% darker color. If you saturate the color by 10%, you get **10.3491, 17.0090, 10.7537**, and if you desaturate by 10%, it is **12.2668, 17.9313, 13.8411**.

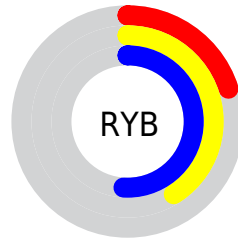
Distribution



Red (20%)

Green (51%)

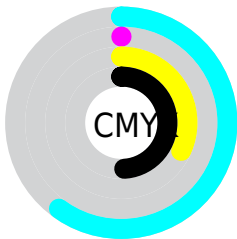
Blue (35%)



Red (20%)

Yellow (41%)

Blue (51%)

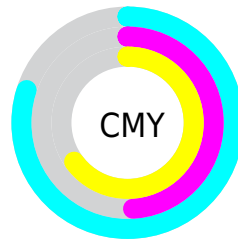


Cyan (60%)

Magenta (0%)

Yellow (32%)

Black (49%)



Cyan (80%)

Magenta (49%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.2020, 17.4166, 12.2225 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 11.2020, 17.4166, 12.2225 by changing the saturation by 10% instead.

■ 11.2020, 17.4166,
12.2225

■ 11.2020, 17.4166,
12.2225

192.9280,
237.5618, 216.9027

■ 6.2712, 10.5320,
6.7710

■ 27.6627, 39.0407,
30.5701

■ 3.0529, 5.7531,
3.2430

■ 39.9234, 54.5489,
44.3034

■ 1.1818, 2.6955,
1.2200

■ 55.3580, 73.7005,
61.6343

■ 0.0919, 0.9749,
0.0000

■ 74.3319, 96.8797,
82.9814

■ 0.0000, 0.0000,
0.0000

■ 97.2105, 124.4711,
108.7632

■ 124.3592,

156.8590, 139.3984

156.1432,
194.4277, 175.3054

■ 11.2020, 17.4166,
12.2225

■ 11.2020, 17.4166,
12.2225

■ 10.3491, 17.0090,
10.7537

■ 12.2668, 17.9313,
13.8411

■ 9.6905, 16.6981,
9.4290

■ 13.5566, 18.5583,
15.6125

■ 9.2077, 16.4750,
8.2439

■ 15.0851, 19.3052,
17.5413

■ 8.8433, 16.3101,
7.1917

■ 16.8642, 20.1779,
19.6315

■ 8.8433, 16.3100,
7.1916

■ 18.9053, 21.1823,
21.8867

■ 21.2189, 22.3238,
24.3107

■ 23.8150, 23.6073,
26.9070

■ 26.7029, 25.0378,
29.6790

■ 29.8918, 26.6197,
32.6300

Harmonies

Analogous

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



12.9549, 17.4166, 7.3612



11.2020, 17.4166, 12.2225



10.7904, 17.4166, 21.0023

Triad

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



11.2020, 17.4166, 12.2225



17.2513, 17.4166, 44.8536



22.5305, 17.4166, 9.8496

Complementary

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



11.2020, 17.4166, 12.2225



12.4103, 7.9926, 11.2454

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.



24.0731, 17.4166, 17.0615



11.2020, 17.4166, 12.2225



20.7645, 17.4166, 38.8936

Square

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



11.2020, 17.4166, 12.2225



13.9931, 17.4166, 42.1605



23.3857, 17.4166, 27.8157



19.4097, 17.4166, 6.3620

Rectangle

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



11.2020, 17.4166, 12.2225



11.2736, 17.4166, 28.5573



23.3857, 17.4166, 27.8157



23.2692, 17.4166, 11.8026

Sweetspot

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



11.2025, 17.4173, 12.2229



30.2386, 35.7993, 35.1836



13.1782, 18.5726, 6.1394



6.6545, 8.0097, 7.7480



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



11.2025, 17.4173, 12.2229



17.7655, 29.7352, 18.0610



13.2563, 18.2388, 23.0382



4.3543, 4.8501, 5.0371



8.4824, 15.6396, 6.9133



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.4103, 7.9926, 11.2454



20.0933, 11.5445, 16.1565



11.1145, 7.4742, 4.4215



4.4148, 4.3791, 4.9888



9.8408, 4.9560, 5.7514



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.2020, 17.4166, 12.2225 looks on a white background.

Color Contrast Check

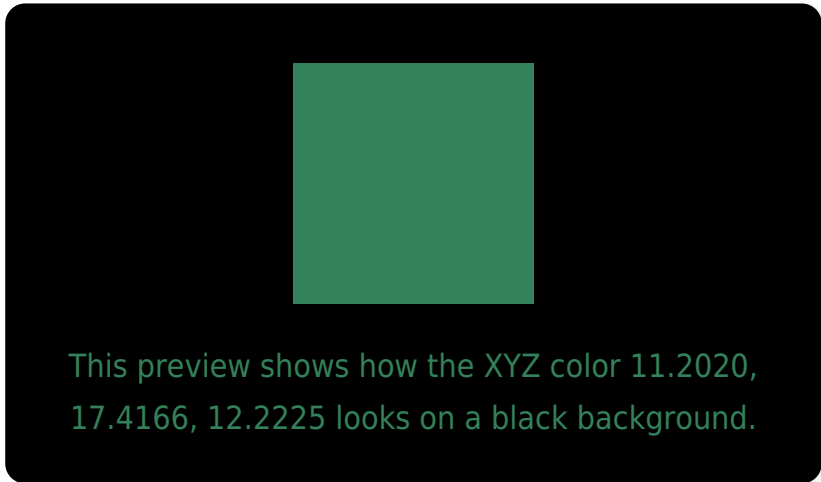
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black 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

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

XYZ 11.2020, 17.4166, 12.2225

Background



This preview shows how black text looks on a background with the XYZ color 11.2020, 17.4166, 12.2225.



This preview shows how white text looks on a background with the XYZ color 11.2020, 17.4166,

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

11.2020, 17.4166, 12.2225

Protanopia

15.9659, 17.1557, 10.4525

Deuteranopia

17.4917, 17.2275, 12.7593



Tritanopia

13.7575, 17.2948, 25.1674

Trichromacy



Original Color

11.2020, 17.4166, 12.2225

Protanomaly

13.3932, 16.6855, 11.1091

Deuteranomaly

14.1191, 16.6726, 12.5992

Tritanomaly

12.6553, 17.2218, 19.7967

Monochromacy



Original Color

11.2020, 17.4166, 12.2225

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

11.6080, 14.3362, 13.4646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.2020, 17.4166, 12.2225 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(52, 130, 89)` looks like.

```
.text, #text, p{  
    color:rgb(52, 130, 89)  
}
```

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(52, 130, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 130, 89) }
```

Border

The CSS property to change the border of an element to XYZ 11.2020, 17.4166, 12.2225 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(52, 130, 89) }
```


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

```
.border{ border-color:rgb(52, 130, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 130, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 130, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 130, 89);  
box-shadow:4px 4px 4px 4px rgb(52, 130,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 11.2020, 17.4166, 12.2225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 130, 89) }
```

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

```
.background{ background-color: rgb(52, 130,  
89) }
```

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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