

Converting Colors

XYZ(20.2047, 34.0989, 12.2711)

Have a look what the booklet for
XYZ(20.2047, 34.0989, 12.2711)
contains.

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Color

**XYZ(20.2486, 34.2178,
12.3750)**

Conversions

Conversions Part 1

Format	Color
Hex	4AB34C
RGB	74, 179, 76
RGB Percent	29%, 70%, 30%
CMY	0.7098, 0.2980, 0.7019
CMYK	0.59, 0.00, 0.58, 0.30
HSL	121°, 42%, 50%
HSV	121°, 59%, 70%
XYZ	20.2486, 34.2178, 12.3750
YIQ	135.8630, -29.5170, -54.2930

Conversions

Conversions Part 2

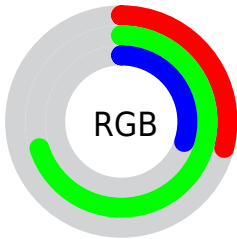
Format	Color
RYB	74, 177, 179
Decimal	4895564
CIELab	65.14, -51.10, 43.01
CIElCh	65, 66.790, 139.912
Yxy	34.2178, 0.3029, 0.5119
Android (android.graphics.Color)	4283085644 (0xFF4AB34C)
YUV	135.8630, -29.5125, -54.2539
Hunter-Lab	58.4960, -40.5795, 28.4042

Details

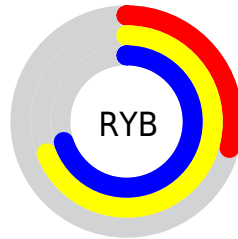
The XYZ color **20.2486, 34.2178, 12.3750** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **28.9758, 17.6560, 43.4759**, and the grayscale version is **23.4660, 24.6881, 26.8853**.

A 20% lighter version of the original color is **43.4075, 66.4550, 30.9614**, and **7.4985, 14.7332, 3.3127** is the 20% darker color. If you saturate the color by 10%, you get **18.5323, 33.3952, 9.5317**, and if you desaturate by 10%, it is **22.5252, 35.3120, 16.1156**.

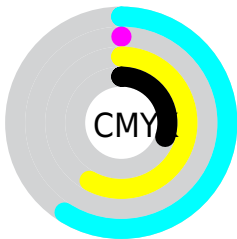
Distribution



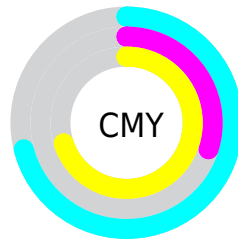
- Red (29%)
- Green (70%)
- Blue (30%)



- Red (29%)
- Yellow (69%)
- Blue (70%)



- Cyan (59%)
- Magenta (0%)
- Yellow (58%)
- Black (30%)





- Cyan (71%)
- Magenta (30%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.2486, 34.2178, 12.3750 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 20.2486, 34.2178, 12.3750 by changing the saturation by 10% instead.


 20.2486, 34.2178,
12.3750


 20.2486, 34.2178,
12.3750


246.0658,
321.1021, 217.9376


 12.6852, 23.0610,
6.8740


 43.3344, 66.2722,
30.8508

 7.2876, 14.6385,
3.3062


 59.5874, 87.9386,
44.6627


 3.6905, 8.5661,
1.2530


 79.4677, 113.8770,
62.0820

 1.5286, 4.4593,
0.0228

 103.3407,
144.4717, 83.5271

 0.3452, 1.9336,
0.0000

 131.5716,
180.1072, 109.4167

 0.0000, 0.5685,
0.0000

164.5259,

 0.0000, 0.0000,

221.1678, 140.1693

0.0000

202.5688,
268.0380, 176.2034

■ 20.2486, 34.2178,
12.3750

■ 20.2486, 34.2178,
12.3750

■ 18.5323, 33.3952,
9.5317

■ 22.5252, 35.3120,
16.1156

■ 17.3257, 32.8167,
7.5085

■ 25.4023, 36.6941,
20.8177

■ 16.5733, 32.4566,
6.2191

■ 28.9191, 38.3841,
26.5421

■ 16.1824, 32.2697,
5.5414

■ 33.1110, 40.3988,
33.3442

■ 16.1395, 32.2490,
5.4721

■ 38.0105, 42.7542,
41.2752

■ 43.6484, 45.4648,
50.3831

■ 50.0532, 48.5446,
60.7132

■ 57.2524, 52.0068,
72.3083

■ 65.2718, 55.8637,
85.2093

Harmonies

Analogous

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



26.5806, 34.2178, 6.2357



20.2486, 34.2178, 12.3750



17.4106, 34.2178, 28.6698

Triad

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



20.2486, 34.2178, 12.3750



29.3671, 34.2178, 118.3657



53.3770, 34.2178, 21.8775

Complementary

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



20.2486, 34.2178, 12.3750



28.9758, 17.6560, 43.4759

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.



54.5344, 34.2178, 47.4084



20.2486, 34.2178, 12.3750



39.2910, 34.2178, 113.3272

Square

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



20.2486, 34.2178, 12.3750



21.9388, 34.2178, 94.8145



48.9633, 34.2178, 83.2718



46.0587, 34.2178, 9.5272

Rectangle

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



20.2486, 34.2178, 12.3750



17.4041, 34.2178, 47.2192



48.9633, 34.2178, 83.2718



54.5484, 34.2178, 28.8055

Sweetspot

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



20.2494, 34.2192, 12.3758



59.5887, 72.4898, 60.1864



35.5460, 42.1128, 12.7337



12.6907, 15.8144, 12.5057



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.2494, 34.2192, 12.3758



32.5619, 59.5064, 16.0234



22.8577, 35.2625, 26.1107



8.3953, 9.4926, 9.0755



11.4072, 22.7889, 3.8813



0.3611, 0.7179, 0.1335

Inverse Universe

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



28.9758, 17.6560, 43.4759



49.5972, 27.1509, 76.7197



24.7258, 15.9560, 21.0956



8.8429, 8.6439, 10.6711



18.6484, 8.9769, 29.6384



0.5890, 0.2833, 0.9441

Previews

White Background



This preview shows how the XYZ color 20.2486, 34.2178, 12.3750 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 20.2486, 34.2178, 12.3750 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 ✓ Pass

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

XYZ 20.2486, 34.2178, 12.3750

Background



This preview shows how black text looks on a background with the XYZ color 20.2486, 34.2178, 12.3750.



This preview shows how white text looks on a background with the XYZ color 20.2486, 34.2178,

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

20.2486, 34.2178, 12.3750

Protanopia

30.5867, 33.5423, 10.4924

Deuteranopia

34.2448, 33.6593, 13.0795



Tritanopia

27.5917, 34.0353, 49.3712

Trichromacy



Original Color

20.2486, 34.2178, 12.3750



Protanomaly

25.1061, 32.7814, 11.1351



Deuteranomaly

26.6245, 32.4734, 12.6493



Tritanomaly

23.9269, 33.6619, 31.2229

Monochromacy



Original Color

20.2486, 34.2178, 12.3750



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

21.0756, 27.1821, 20.0555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2486, 34.2178, 12.3750 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, 179, 76)` looks like.

```
.text, #text, p{  
    color:rgb(74, 179, 76)  
}
```

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, 179, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 179, 76) }
```

Border

The CSS property to change the border of an element to XYZ 20.2486, 34.2178, 12.3750 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, 179, 76) }
```


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

```
.border{ border-color:rgb(74, 179, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 179, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 179, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 179, 76);  
box-shadow:4px 4px 4px 4px rgb(74, 179,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2486, 34.2178, 12.3750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 179, 76) }
```

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

```
.background{ background-color: rgb(74, 179,  
76) }
```

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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