

Converting Colors

XYZ(20.6266, 34.2058, 12.4800)

Have a look what the booklet for
XYZ(20.6266, 34.2058, 12.4800)
contains.

XYZ(20.5682, 34.0821, 12.5156)	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(20.5682, 34.0821,
12.5156)**

Conversions

Conversions Part 1

Format	Color
Hex	50B24D
RGB	80, 178, 77
RGB Percent	31%, 70%, 30%
CMY	0.6863, 0.3019, 0.6980
CMYK	0.55, 0.00, 0.57, 0.30
HSL	118°, 40%, 50%
HSV	118°, 57%, 70%
XYZ	20.5682, 34.0821, 12.5156
YIQ	137.1840, -25.9870, -52.1870

Conversions

Conversions Part 2

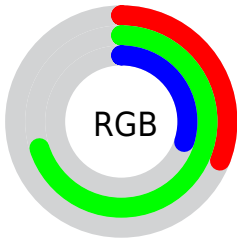
Format	Color
RYB	77, 178, 175
Decimal	5288525
CIELab	65.03, -49.07, 42.46
CIElCh	65, 64.891, 139.132
Yxy	34.0821, 0.3062, 0.5074
Android (android.graphics.Color)	4283478605 (0xFF50B24D)
YUV	137.1840, -29.6707, -50.1504
Hunter-Lab	58.3799, -39.2763, 28.1552

Details

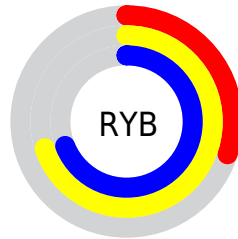
The XYZ color **20.5682, 34.0821, 12.5156** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **28.3708, 17.6373, 44.0304**, and the grayscale version is **23.9640, 25.2120, 27.4559**.

A 20% lighter version of the original color is **43.9873, 66.3200, 31.2515**, and **7.4207, 14.5048, 3.3283** is the 20% darker color. If you saturate the color by 10%, you get **18.7483, 33.2079, 9.5869**, and if you desaturate by 10%, it is **22.9365, 35.2212, 16.3691**.

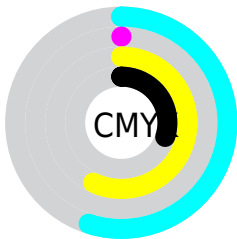
Distribution



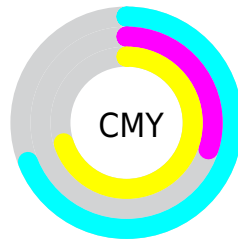
- Red (31%)
- Green (70%)
- Blue (30%)



- Red (30%)
- Yellow (70%)
- Blue (69%)



- Cyan (55%)
- Magenta (0%)
- Yellow (57%)
- Black (30%)



- Cyan (69%)
- Magenta (30%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5682, 34.0821, 12.5156 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 20.5682, 34.0821, 12.5156 by changing the saturation by 10% instead.

■ 20.5682, 34.0821,
12.5156

■ 20.5682, 34.0821,
12.5156

247.7501,
320.4980, 218.8871

■ 12.9194, 22.9567,
6.9691

■ 43.8645, 66.0613,
31.1091

■ 7.4497, 14.5615,
3.3646

■ 60.2427, 87.6839,
44.9931

■ 3.7937, 8.5122,
1.2837

■ 80.2614, 113.5743,
62.4933

■ 1.5861, 4.4244,
0.0484

■ 104.2860,
144.1170, 84.0284

■ 0.3833, 1.9137,
0.0000

■ 132.6818,
179.6963, 110.0167

■ 0.0000, 0.5566,
0.0000

165.8142,

■ 0.0000, 0.0000,

220.6966, 140.8769

0.0000

204.0485,
267.5024, 177.0276

■ 20.5682, 34.0821,
12.5156

■ 20.5682, 34.0821,
12.5156

■ 18.7483, 33.2079,
9.5869

■ 22.9365, 35.2212,
16.3691

■ 17.4308, 32.5734,
7.5034

■ 25.8899, 36.6395,
21.2136

■ 16.5658, 32.1560,
6.1762

■ 29.4646, 38.3555,
27.1119

■ 16.0897, 31.9254,
5.4808

■ 33.6931, 40.3847,
34.1210

■ 15.9872, 31.8763,
5.3101

■ 38.6060, 42.7415,
42.2937

■ 44.2316, 45.4397,
51.6797

■ 50.5968, 48.4921,
62.3255

■ 57.7271, 51.9107,
74.2753

■ 65.6466, 55.7073,
87.5712

Harmonies

Analogous

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



26.8292, 34.0821, 6.5577



20.5682, 34.0821, 12.5156



17.7004, 34.0821, 28.1886

Triad

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



20.5682, 34.0821, 12.5156



29.1075, 34.0821, 114.5821



52.6225, 34.0821, 22.6105

Complementary

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



20.5682, 34.0821, 12.5156



28.3708, 17.6373, 44.0304

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.



53.5587, 34.0821, 47.7384



20.5682, 34.0821, 12.5156



38.6796, 34.0821, 110.5407

Square

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



20.5682, 34.0821, 12.5156



21.9576, 34.0821, 91.5595



48.0568, 34.0821, 82.2708



45.7030, 34.0821, 10.1321

Rectangle

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



20.5682, 34.0821, 12.5156



17.6370, 34.0821, 45.9368



48.0568, 34.0821, 82.2708



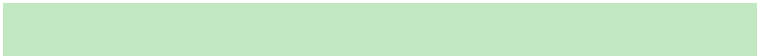
53.6916, 34.0821, 29.4926

Sweetspot

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



20.5690, 34.0835, 12.5164



60.6416, 73.0131, 61.1161



34.9599, 40.5200, 13.0002



13.0808, 16.0060, 12.9521



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.



20.5690, 34.0835, 12.5164



33.3347, 59.8989, 16.3286



22.6286, 34.8788, 24.6537



8.4115, 9.5017, 9.0432



11.4481, 22.8118, 3.7997



0.3679, 0.7217, 0.1199

Inverse Universe

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



28.3708, 17.6373, 44.0304



48.8329, 27.1515, 79.0482



25.1029, 16.4087, 23.2706



8.8246, 8.6336, 10.7077



18.0458, 8.6387, 30.8533



0.5755, 0.2758, 0.9711

Previews

White Background



This preview shows how the XYZ color 20.5682, 34.0821, 12.5156 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 20.5682, 34.0821, 12.5156 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 20.5682, 34.0821, 12.5156

Background



This preview shows how black text looks on a background with the XYZ color 20.5682, 34.0821, 12.5156.



This preview shows how white text looks on a background with the XYZ color 20.5682, 34.0821,

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

20.5682, 34.0821, 12.5156

Protanopia

30.6180, 33.5548, 10.6573

Deuteranopia

34.1254, 33.3572, 13.2343



Tritanopia

27.7527, 33.8572, 48.7884

Trichromacy



Original Color

20.5682, 34.0821, 12.5156



Protanomaly

25.4729, 32.9668, 11.3240



Deuteranomaly

26.8563, 32.3301, 12.8075



Tritanomaly

24.2402, 33.5419, 31.1832

Monochromacy



Original Color

20.5682, 34.0821, 12.5156



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

21.5252, 27.4073, 20.3753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5682, 34.0821, 12.5156 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(80, 178, 77)` looks like.

```
.text, #text, p{  
    color:rgb(80, 178, 77)  
}
```

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(80, 178, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 178, 77) }
```

Border

The CSS property to change the border of an element to XYZ 20.5682, 34.0821, 12.5156 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(80, 178, 77) }
```


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

```
.border{ border-color:rgb(80, 178, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 178, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 178, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 178, 77);  
box-shadow:4px 4px 4px 4px rgb(80, 178,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5682, 34.0821, 12.5156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 178, 77) }
```

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

```
.background{ background-color: rgb(80, 178,  
77) }
```

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