

Converting Colors

XYZ(20.3761, 33.3636, 14.3398)

Have a look what the booklet for
XYZ(20.3761, 33.3636, 14.3398)
contains.

XYZ(20.3875, 33.3585, 14.3811)	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(20.3875, 33.3585,
14.3811)**

Conversions

Conversions Part 1

Format	Color
Hex	4EB057
RGB	78, 176, 87
RGB Percent	31%, 69%, 34%
CMY	0.6941, 0.3098, 0.6588
CMYK	0.56, 0.00, 0.51, 0.31
HSL	126°, 39%, 50%
HSV	126°, 56%, 69%
XYZ	20.3875, 33.3585, 14.3811
YIQ	136.5520, -29.8390, -48.4550

Conversions

Conversions Part 2

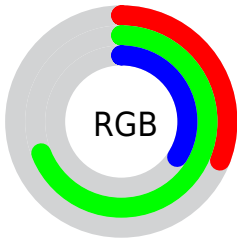
Format	Color
RYB	78, 168, 176
Decimal	5156951
CIELab	64.45, -47.46, 36.85
CIELCh	64, 60.092, 142.172
Yxy	33.3585, 0.2993, 0.4897
Android (android.graphics.Color)	4283347031 (0xFF4EB057)
YUV	136.5520, -24.4291, -51.3501
Hunter-Lab	57.7568, -38.0660, 25.6669

Details

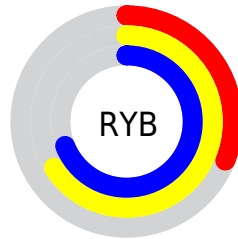
The XYZ color **20.3875, 33.3585, 14.3811** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **27.6049, 17.4694, 38.4770**, and the grayscale version is **23.7067, 24.9413, 27.1611**.

A 20% lighter version of the original color is **43.5085, 64.7282, 34.6268**, and **7.3094, 14.0590, 4.1621** is the 20% darker color. If you saturate the color by 10%, you get **18.5517, 32.4804, 11.2559**, and if you desaturate by 10%, it is **22.7555, 34.4962, 18.2874**.

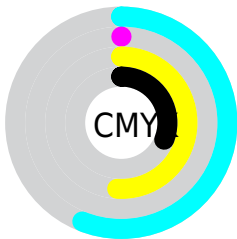
Distribution



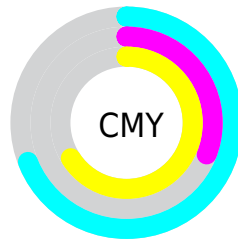
- Red (31%)
- Green (69%)
- Blue (34%)



- Red (31%)
- Yellow (66%)
- Blue (69%)



- Cyan (56%)
- Magenta (0%)
- Yellow (51%)
- Black (31%)





- Cyan (69%)
- Magenta (31%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.3875, 33.3585, 14.3811 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 20.3875, 33.3585, 14.3811 by changing the saturation by 10% instead.


 20.3875, 33.3585,
14.3811


 20.3875, 33.3585,
14.3811


246.7990,
317.2621, 231.0992


 12.7869, 22.4012,
8.2444


 43.5649, 64.9348,
34.4905


 7.3580, 14.1520,
4.1617


 59.8725, 86.3227,
49.3004


 3.7353, 8.2265,
1.7145


 79.8131, 111.9562,
67.8383

 1.5535, 4.2402,
0.3706

 103.7520,
142.2197, 90.5230

 0.3618, 1.8088,
0.0000

 132.0548,
177.4976, 117.7729

 0.0000, 0.4927,
0.0000

165.0866,

 0.0000, 0.0000,

218.1744, 150.0065

0.0000

203.2129,
264.6344, 187.6425

■ 20.3875, 33.3585,
14.3811

■ 20.3875, 33.3585,
14.3811

■ 18.5517, 32.4804,
11.2559

■ 22.7555, 34.4962,
18.2874

■ 17.2043, 31.8375,
8.8573

■ 25.6899, 35.9073,
23.0200

■ 16.2989, 31.4081,
7.1272

■ 29.2253, 37.6094,
28.6235

■ 15.7765, 31.1632,
5.9978

■ 33.3924, 39.6178,
35.1384

■ 15.6208, 31.0899,
5.6744

■ 38.2201, 41.9463,
42.6029

■ 43.7354, 44.6083,
51.0528

■ 49.9638, 47.6160,
60.5222

■ 56.9295, 50.9813,
71.0436

■ 64.6556, 54.7154,
82.6478

Harmonies

Analogous

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



25.8835, 33.3585, 7.7987



20.3875, 33.3585, 14.3811



18.0195, 33.3585, 30.2641

Triad

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



20.3875, 33.3585, 14.3811



29.5138, 33.3585, 106.0329



49.5514, 33.3585, 21.2603

Complementary

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



20.3875, 33.3585, 14.3811



27.6049, 17.4694, 38.4770

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.



50.9999, 33.3585, 43.1381



20.3875, 33.3585, 14.3811



38.3426, 33.3585, 99.9225

Square

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



20.3875, 33.3585, 14.3811



22.6335, 33.3585, 87.8232



46.5891, 33.3585, 73.6472



42.9278, 33.3585, 10.3387

Rectangle

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



20.3875, 33.3585, 14.3811



18.1688, 33.3585, 47.2122



46.5891, 33.3585, 73.6472



50.7026, 33.3585, 27.2497

Sweetspot

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



20.3883, 33.3599, 14.3818



59.2597, 71.2236, 61.7036



33.0148, 39.9090, 13.1709



12.5122, 15.2761, 12.8572



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.3883, 33.3599, 14.3818



32.9568, 58.5772, 19.2109



23.0530, 34.4258, 28.4139



8.4196, 9.5023, 9.2035



11.4709, 22.8143, 4.2164



0.3712, 0.7220, 0.1870

Inverse Universe

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



27.6049, 17.4694, 38.4770



47.3533, 26.7985, 67.2206



23.9496, 16.0073, 19.2283



8.8157, 8.6330, 10.5279



17.7932, 8.6348, 25.1345



0.5696, 0.2756, 0.8421

Previews

White Background



This preview shows how the XYZ color 20.3875, 33.3585, 14.3811 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 20.3875, 33.3585, 14.3811 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 20.3875, 33.3585, 14.3811

Background



This preview shows how black text looks on a background with the XYZ color 20.3875, 33.3585, 14.3811.



This preview shows how white text looks on a background with the XYZ color 20.3875, 33.3585,

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

20.3875, 33.3585, 14.3811

Protanopia

29.9639, 32.6798, 12.3180

Deuteranopia

33.3493, 32.6793, 15.1397



Tritanopia

27.0284, 33.2364, 47.6385

Trichromacy



Original Color

20.3875, 33.3585, 14.3811



Protanomaly

24.9751, 32.1373, 13.0704



Deuteranomaly

26.3279, 31.5050, 14.5910



Tritanomaly

23.9767, 33.1001, 32.3194

Monochromacy



Original Color

20.3875, 33.3585, 14.3811



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

21.5988, 27.1781, 21.5603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3875, 33.3585, 14.3811 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(78, 176, 87)` looks like.

```
.text, #text, p{  
    color:rgb(78, 176, 87)  
}
```

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(78, 176, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 176, 87) }
```

Border

The CSS property to change the border of an element to XYZ 20.3875, 33.3585, 14.3811 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(78, 176, 87) }
```


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

```
.border{ border-color:rgb(78, 176, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 176, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 176, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 176, 87);  
box-shadow:4px 4px 4px 4px rgb(78, 176,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3875, 33.3585, 14.3811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 176, 87) }
```

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

```
.background{ background-color: rgb(78, 176,  
87) }
```

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