

Converting Colors

XYZ(20.8433, 33.3985, 10.0506)

Have a look what the booklet for
XYZ(20.8433, 33.3985, 10.0506)
contains.

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Color

**XYZ(20.8433, 33.3985,
10.0506)**

Conversions

Conversions Part 1

Format	Color
Hex	5EAF3F
RGB	94, 175, 63
RGB Percent	37%, 69%, 25%
CMY	0.6314, 0.3137, 0.7529
CMYK	0.46, 0.00, 0.64, 0.31
HSL	103°, 47%, 47%
HSV	103°, 64%, 69%
XYZ	20.8433, 33.3985, 10.0506
YIQ	138.0130, -12.3240, -52.0040

Conversions

Conversions Part 2

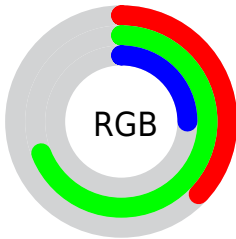
Format	Color
RYB	63, 175, 144
Decimal	6205247
CIELab	64.48, -45.39, 48.38
CIELCh	64, 66.335, 133.176
Yxy	33.3985, 0.3242, 0.5195
Android (android.graphics.Color)	4284395327 (0xFF5EAF3F)
YUV	138.0130, -36.9814, -38.5994
Hunter-Lab	57.7914, -36.7565, 30.1428

Details

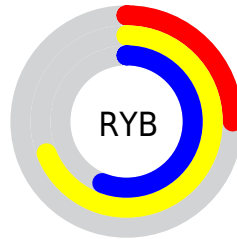
The XYZ color **20.8433, 33.3985, 10.0506** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **21.0186, 12.5805, 41.8797**, and the grayscale version is **24.3033, 25.5690, 27.8446**.

A 20% lighter version of the original color is **44.2481, 64.8737, 26.4094**, and **7.6247, 14.2613, 2.3796** is the 20% darker color. If you saturate the color by 10%, you get **19.2369, 32.6192, 7.8159**, and if you desaturate by 10%, it is **22.8196, 34.3526, 13.1153**.

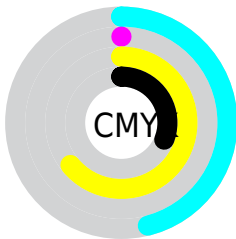
Distribution



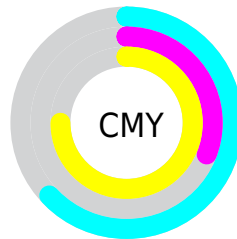
- Red (37%)
- Green (69%)
- Blue (25%)



- Red (25%)
- Yellow (69%)
- Blue (56%)



- Cyan (46%)
- Magenta (0%)
- Yellow (64%)
- Black (31%)



- Cyan (63%)
- Magenta (31%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8433, 33.3985, 10.0506 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 20.8433, 33.3985, 10.0506 by changing the saturation by 10% instead.

■ 20.8433, 33.3985,
10.0506

■ 20.8433, 33.3985,
10.0506

249.1920,
317.4416, 201.5307

■ 13.1213, 22.4319,
5.3265

■ 44.3198, 64.9972,
26.4999

■ 7.5897, 14.1746,
2.3780

■ 60.8051, 86.3981,
39.0622

■ 3.8831, 8.2422,
0.7744

■ 80.9422, 112.0458,
55.0743

■ 1.6362, 4.2503,
0.0000

■ 105.0964,
142.3248, 74.9548

■ 0.4159, 1.8145,
0.0000

■ 133.6332,
177.6195, 99.1221

■ 0.0000, 0.4962,
0.0000

166.9178,

■ 0.0000, 0.0000,

218.3143, 127.9948

0.0000

205.3156,
264.7935, 161.9915

■ 20.8433, 33.3985,
10.0506

■ 20.8433, 33.3985,
10.0506

■ 19.2369, 32.6192,
7.8159

■ 22.8196, 34.3526,
13.1153

■ 17.9724, 31.9989,
6.3279

■ 25.1864, 35.4874,
17.0785

■ 17.0208, 31.5259,
5.4897

■ 27.9655, 36.8140,
22.0041

■ 16.5702, 31.3003,
5.1682

■ 31.1763, 38.3409,
27.9494

■ 34.8368, 40.0764,
34.9673

■ 38.9641, 42.0282,
43.1070

■ 43.5743, 44.2037,
52.4149

■ 48.6827, 46.6096,
62.9344

■ 54.3040, 49.2528,
74.7069

Harmonies

Analogous

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



27.7718, 33.3985, 5.5542



20.8433, 33.3985, 10.0506



17.3092, 33.3985, 23.2626

Triad

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



20.8433, 33.3985, 10.0506



26.7599, 33.3985, 112.6128



52.9812, 33.3985, 25.7260

Complementary

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



20.8433, 33.3985, 10.0506



21.0186, 12.5805, 41.8797

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.



52.5601, 33.3985, 53.6452



20.8433, 33.3985, 10.0506



36.0786, 33.3985, 114.4485

Square

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



20.8433, 33.3985, 10.0506



20.2301, 33.3985, 84.9953



45.9058, 33.3985, 89.1980



46.9622, 33.3985, 11.0801

Rectangle

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



20.8433, 33.3985, 10.0506



16.8125, 33.3985, 39.3316



45.9058, 33.3985, 89.1980



53.6189, 33.3985, 33.5520

Sweetspot

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



20.8441, 33.3999, 10.0513



58.7928, 70.0685, 55.6796



28.4403, 29.1994, 8.8402



12.6669, 15.3835, 11.6121



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.



20.8441, 33.3999, 10.0513



33.3977, 57.9021, 12.6883



19.1121, 32.4107, 14.3233



8.1048, 9.0426, 8.5316



11.9184, 22.4412, 3.7034



0.3849, 0.6518, 0.1055

Inverse Universe

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



21.0186, 12.5805, 41.8797



33.5898, 17.5514, 74.2543



25.0222, 14.8956, 30.7225



8.1177, 8.0350, 10.0758



11.8248, 5.4558, 29.4743



0.3782, 0.1772, 0.8222

Previews

White Background



This preview shows how the XYZ color 20.8433, 33.3985, 10.0506 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 20.8433, 33.3985, 10.0506 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 20.8433, 33.3985, 10.0506

Background



This preview shows how black text looks on a background with the XYZ color 20.8433, 33.3985, 10.0506.



This preview shows how white text looks on a background with the XYZ color 20.8433, 33.3985,

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

20.8433, 33.3985, 10.0506

Protanopia

30.1077, 33.0811, 8.8014

Deuteranopia

33.4655, 32.8412, 10.5364



Tritanopia

28.1507, 33.3027, 46.5393

Trichromacy



Original Color

20.8433, 33.3985, 10.0506



Protanomaly

25.5899, 32.5404, 9.2072



Deuteranomaly

26.9805, 31.9390, 10.2117



Tritanomaly

24.5100, 32.9086, 28.3527

Monochromacy



Original Color

20.8433, 33.3985, 10.0506



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

21.9619, 27.4185, 19.1737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8433, 33.3985, 10.0506 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(94, 175, 63)` looks like.

```
.text, #text, p{  
  color:rgb(94, 175, 63)  
}
```

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(94, 175, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 175, 63) }
```

Border

The CSS property to change the border of an element to XYZ 20.8433, 33.3985, 10.0506 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(94, 175, 63) }
```


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

```
.border{ border-color:rgb(94, 175, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 175, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 175, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 175, 63);  
box-shadow:4px 4px 4px 4px rgb(94, 175,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8433, 33.3985, 10.0506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 175, 63) }
```

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

```
.background{ background-color: rgb(94, 175,  
63) }
```

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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