

Converting Colors

XYZ(20.1883, 32.1443, 12.5376)

Have a look what the booklet for
XYZ(20.1883, 32.1443, 12.5376)
contains.

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Color

**XYZ(20.1883, 32.1443,
12.5376)**

Conversions

Conversions Part 1

Format	Color
Hex	58AC4F
RGB	88, 172, 79
RGB Percent	35%, 67%, 31%
CMY	0.6549, 0.3255, 0.6902
CMYK	0.49, 0.00, 0.54, 0.33
HSL	114°, 37%, 49%
HSV	114°, 54%, 67%
XYZ	20.1883, 32.1443, 12.5376
YIQ	136.2820, -20.2110, -46.7310

Conversions

Conversions Part 2

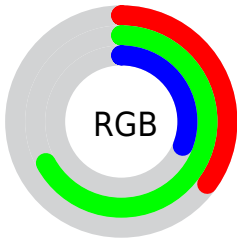
Format	Color
RYB	79, 172, 163
Decimal	5811279
CIELab	63.46, -44.18, 39.70
CIELCh	63, 59.401, 138.057
Yxy	32.1443, 0.3112, 0.4955
Android (android.graphics.Color)	4284001359 (0xFF58AC4F)
YUV	136.2820, -28.2400, -42.3433
Hunter-Lab	56.6959, -35.6576, 26.5759

Details

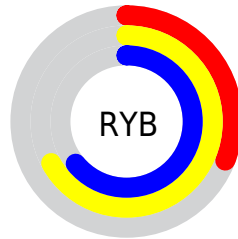
The XYZ color **20.1883, 32.1443, 12.5376** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **25.3485, 16.3582, 40.8530**, and the grayscale version is **23.6163, 24.8462, 27.0575**.

A 20% lighter version of the original color is **43.1004, 62.9382, 30.9957**, and **7.2975, 13.5292, 3.3892** is the 20% darker color. If you saturate the color by 10%, you get **18.3245, 31.2476, 9.5946**, and if you desaturate by 10%, it is **22.5291, 33.2701, 16.3498**.

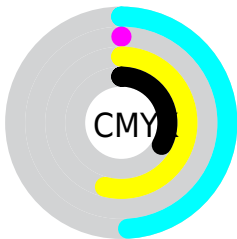
Distribution



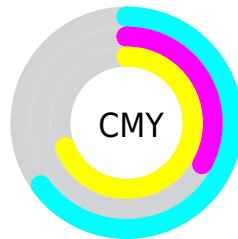
- Red (35%)
- Green (67%)
- Blue (31%)



- Red (31%)
- Yellow (67%)
- Blue (64%)



- Cyan (49%)
- Magenta (0%)
- Yellow (54%)
- Black (33%)



- Cyan (65%)
- Magenta (33%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1883, 32.1443, 12.5376 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 20.1883, 32.1443, 12.5376 by changing the saturation by 10% instead.

■ 20.1883, 32.1443,
12.5376

■ 20.1883, 32.1443,
12.5376

245.7469,
311.7761, 219.0353

■ 12.6411, 21.4717,
6.9840

■ 43.2342, 63.0372,
31.1494

■ 7.2571, 13.4693,
3.3738

■ 59.4636, 84.0264,
45.0447

■ 3.6712, 7.7525,
1.2885

■ 79.3177, 109.2232,
62.5576

■ 1.5178, 3.9370,
0.0523

■ 103.1619,
139.0121, 84.1067

■ 0.3379, 1.6384,
0.0000

■ 131.3615,
173.7774, 110.1104

■ 0.0000, 0.3833,
0.0000

164.2820,

■ 0.0000, 0.0000,

213.9036, 140.9874

0.0000

202.2887,
259.7750, 177.1562

■ 20.1883, 32.1443,
12.5376

■ 20.1883, 32.1443,
12.5376

■ 18.3245, 31.2476,
9.5946

■ 22.5291, 33.2701,
16.3498

■ 16.9024, 30.5605,
7.4506

■ 25.3743, 34.6348,
21.0900

■ 15.8858, 30.0669,
6.0277

■ 28.7520, 36.2529,
26.8143

■ 15.2314, 29.7465,
5.2318

■ 32.6874, 38.1361,
33.5740

■ 14.9780, 29.6223,
4.9283

■ 37.2044, 40.2958,
41.4164

■ 42.3251, 42.7424,
50.3864

■ 48.0708, 45.4859,
60.5259

■ 54.4616, 48.5359,
71.8749

■ 61.5166, 51.9014,
84.4715

Harmonies

Analogous

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



25.8852, 32.1443, 7.1074



20.1883, 32.1443, 12.5376



17.4899, 32.1443, 26.3989

Triad

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



20.1883, 32.1443, 12.5376



27.3794, 32.1443, 101.1032



48.2941, 32.1443, 22.7002

Complementary

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



20.1883, 32.1443, 12.5376



25.3485, 16.3582, 40.8530

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.



48.8920, 32.1443, 45.2910



20.1883, 32.1443, 12.5376



35.7489, 32.1443, 98.5755

Square

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



20.1883, 32.1443, 12.5376



21.1115, 32.1443, 80.9555



43.9665, 32.1443, 75.0977



42.4560, 32.1443, 10.8843

Rectangle

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



20.1883, 32.1443, 12.5376



17.3612, 32.1443, 41.7759



43.9665, 32.1443, 75.0977



49.1485, 32.1443, 28.9989

Sweetspot

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



20.1891, 32.1457, 12.5383



57.6245, 68.3813, 58.0196



31.4700, 35.4248, 12.5767



12.2081, 14.7101, 12.0668



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.1891, 32.1457, 12.5383



32.6368, 56.3934, 16.4745



21.1421, 32.4345, 21.7312



7.9737, 8.9750, 8.5255



11.1681, 22.0545, 3.6683



0.3332, 0.6251, 0.1031

Inverse Universe

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



25.3485, 16.3582, 40.8530



42.9325, 24.6735, 73.3054



24.1695, 16.1071, 24.6842



8.2596, 8.1081, 10.0824



15.6776, 7.4420, 29.6547



0.4577, 0.2182, 0.8260

Previews

White Background



This preview shows how the XYZ color 20.1883, 32.1443, 12.5376 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 20.1883, 32.1443, 12.5376 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 20.1883, 32.1443, 12.5376

Background



This preview shows how black text looks on a background with the XYZ color 20.1883, 32.1443, 12.5376.



This preview shows how white text looks on a background with the XYZ color 20.1883, 32.1443,

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

20.1883, 32.1443, 12.5376

Protanopia

28.9560, 31.6985, 10.8956

Deuteranopia

32.2083, 31.6688, 13.2192



Tritanopia

26.7216, 32.0616, 45.3376

Trichromacy



Original Color

20.1883, 32.1443, 12.5376

Protanomaly

24.6560, 31.2251, 11.3841

Deuteranomaly

25.8604, 30.5513, 12.7176

Tritanomaly

23.6254, 31.8752, 29.7183

Monochromacy



Original Color

20.1883, 32.1443, 12.5376

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

21.4497, 26.6546, 20.2340

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1883, 32.1443, 12.5376 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(88, 172, 79)` looks like.

```
.text, #text, p{  
    color:rgb(88, 172, 79)  
}
```

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(88, 172, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 172, 79) }
```

Border

The CSS property to change the border of an element to XYZ 20.1883, 32.1443, 12.5376 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(88, 172, 79) }
```


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

```
.border{ border-color:rgb(88, 172, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 172, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 172, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 172, 79);  
box-shadow:4px 4px 4px 4px rgb(88, 172,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1883, 32.1443, 12.5376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 172, 79) }
```

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

```
.background{ background-color: rgb(88, 172,  
79) }
```

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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