

Converting Colors

XYZ(21.1788, 32.9028, 18.1054)

Have a look what the booklet for
XYZ(21.1788, 32.9028, 18.1054)
contains.

XYZ(21.1381, 32.7977, 18.0485)	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(21.1381, 32.7977,
18.0485)**

Conversions

Conversions Part 1

Format	Color
Hex	55AD67
RGB	85, 173, 103
RGB Percent	33%, 68%, 40%
CMY	0.6667, 0.3216, 0.5961
CMYK	0.51, 0.00, 0.40, 0.32
HSL	132°, 35%, 51%
HSV	132°, 51%, 68%
XYZ	21.1381, 32.7977, 18.0485
YIQ	138.7080, -29.9780, -40.4260

Conversions

Conversions Part 2

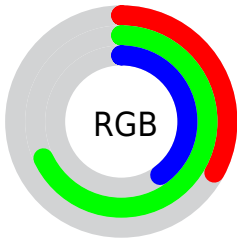
Format	Color
RYB	85, 158, 173
Decimal	5614951
CIELab	64.00, -41.88, 28.06
CIELCh	64, 50.413, 146.177
Yxy	32.7977, 0.2936, 0.4556
Android (android.graphics.Color)	4283805031 (0xFF55AD67)
YUV	138.7080, -17.6040, -47.1019
Hunter-Lab	57.2693, -34.3369, 21.4032

Details

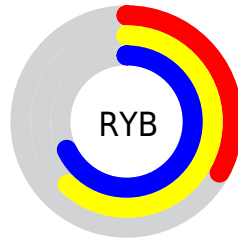
The XYZ color **21.1381, 32.7977, 18.0485** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **26.3995, 17.7485, 33.0459**, and the grayscale version is **24.5028, 25.7789, 28.0732**.

A 20% lighter version of the original color is **44.7509, 63.9806, 41.0012**, and **7.7827, 13.9030, 5.8878** is the 20% darker color. If you saturate the color by 10%, you get **19.1206, 31.8319, 14.6407**, and if you desaturate by 10%, it is **23.6550, 34.0096, 22.0746**.

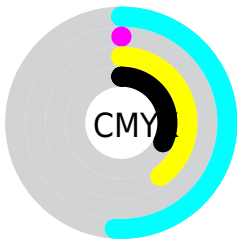
Distribution



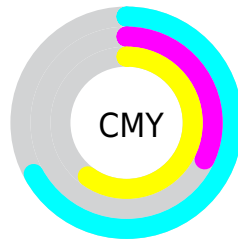
- Red (33%)
- Green (68%)
- Blue (40%)



- Red (33%)
- Yellow (62%)
- Blue (68%)



- Cyan (51%)
- Magenta (0%)
- Yellow (40%)
- Black (32%)



- Cyan (67%)
- Magenta (32%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1381, 32.7977, 18.0485 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 21.1381, 32.7977, 18.0485 by changing the saturation by 10% instead.

■ 21.1381, 32.7977,
18.0485

■ 21.1381, 32.7977,
18.0485

250.7294,
314.7372, 253.3896

■ 13.3380, 21.9715,
10.8150

■ 44.8068, 64.0596,
40.9350

■ 7.7403, 13.8360,
5.8300

■ 61.4061, 85.2640,
57.4251

■ 3.9796, 8.0067,
2.6749

■ 81.6693, 110.6967,
77.8378

■ 1.6906, 4.0992,
0.9307

■ 105.9616,
140.7420, 102.5917

■ 0.4504, 1.7292,
0.0000

134.6484,
175.7843, 132.1053

■ 0.0000, 0.4425,
0.0000

168.0950,

■ 0.0000, 0.0000,

216.2080, 166.7971

0.0000

206.6669,
262.3975, 207.0857

■ 21.1381, 32.7977,
18.0485

■ 21.1381, 32.7977,
18.0485

■ 19.1206, 31.8319,
14.6407

■ 23.6550, 34.0096,
22.0746

■ 17.5659, 31.0913,
11.8183

■ 26.6995, 35.4789,
26.7453

■ 16.4364, 30.5581,
9.5489

■ 30.3007, 37.2209,
32.0880

■ 15.6871, 30.2098,
7.7958

■ 34.4850, 39.2486,
38.1278

■ 15.2533, 30.0120,
6.6094

■ 39.2768, 41.5742,
44.8886

■ 44.6992, 44.2091,
52.3932

■ 50.7742, 47.1641,
60.6634

■ 57.5226, 50.4495,
69.7198

■ 64.9643, 54.0753,
79.5827

Harmonies

Analogous

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



25.5221, 32.7977, 10.8361



21.1381, 32.7977, 18.0485



19.4241, 32.7977, 33.1636

Triad

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



21.1381, 32.7977, 18.0485



30.2705, 32.7977, 90.7632



45.1241, 32.7977, 21.0722

Complementary

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



21.1381, 32.7977, 18.0485



26.3995, 17.7485, 33.0459

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.



46.9026, 32.7977, 38.3859



21.1381, 32.7977, 18.0485



37.6024, 32.7977, 83.6405

Square

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



21.1381, 32.7977, 18.0485



24.1651, 32.7977, 79.1202



43.9677, 32.7977, 62.2427



39.4201, 32.7977, 12.0583

Rectangle

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



21.1381, 32.7977, 18.0485



19.7993, 32.7977, 47.7697



43.9677, 32.7977, 62.2427



46.2349, 32.7977, 25.8746

Sweetspot

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



21.1389, 32.7991, 18.0492



58.3336, 68.6292, 63.3719



30.1790, 37.5528, 14.2525



12.3478, 14.7551, 13.2962



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.



21.1389, 32.7991, 18.0492



33.8664, 56.8274, 25.5594



23.9260, 33.9139, 32.7256



7.9690, 8.9652, 8.8618



11.2227, 22.0543, 4.9462



0.3311, 0.6211, 0.2372

Inverse Universe

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



26.3995, 17.7485, 33.0459



44.3242, 26.8153, 55.3037



23.3744, 16.5384, 17.1155



8.2658, 8.1196, 9.7106



16.0312, 7.8750, 18.3414



0.4635, 0.2261, 0.6025

Previews

White Background



This preview shows how the XYZ color 21.1381, 32.7977, 18.0485 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 21.1381, 32.7977, 18.0485 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 21.1381, 32.7977, 18.0485

Background



This preview shows how black text looks on a background with the XYZ color 21.1381, 32.7977, 18.0485.



This preview shows how white text looks on a background with the XYZ color 21.1381, 32.7977,

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

21.1381, 32.7977, 18.0485

Protanopia

29.8154, 32.2806, 15.7257

Deuteranopia

32.8787, 32.3512, 18.9795



Tritanopia

26.8048, 32.6088, 46.4763

Trichromacy



Original Color

21.1381, 32.7977, 18.0485

Protanomaly

25.4782, 31.7939, 16.5984

Deuteranomaly

26.7434, 31.3785, 18.5570

Tritanomaly

24.1476, 32.3262, 33.8210

Monochromacy



Original Color

21.1381, 32.7977, 18.0485

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

22.4403, 27.5615, 23.8758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1381, 32.7977, 18.0485 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(85, 173, 103)` looks like.

```
.text, #text, p{  
    color:rgb(85, 173, 103)  
}
```

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(85, 173, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 173, 103) }
```

Border

The CSS property to change the border of an element to XYZ 21.1381, 32.7977, 18.0485 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(85, 173, 103) }
```


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

```
.border{ border-color:rgb(85, 173, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 173, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 173, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 173, 103);  
box-shadow:4px 4px 4px 4px rgb(85, 173,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1381, 32.7977, 18.0485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 173, 103) }
```

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

```
.background{ background-color: rgb(85, 173,  
103) }
```

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