

Converting Colors

XYZ(21.6492, 32.1807, 19.5385)

Have a look what the booklet for
XYZ(21.6492, 32.1807, 19.5385)
contains.

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Color

**XYZ(21.6492, 32.1807,
19.5385)**

Conversions

Conversions Part 1

Format	Color
Hex	5DAA6D
RGB	93, 170, 109
RGB Percent	36%, 67%, 43%
CMY	0.6353, 0.3333, 0.5725
CMYK	0.45, 0.00, 0.36, 0.33
HSL	132°, 31%, 52%
HSV	132°, 45%, 67%
XYZ	21.6492, 32.1807, 19.5385
YIQ	140.0230, -26.3110, -35.2950

Conversions

Conversions Part 2

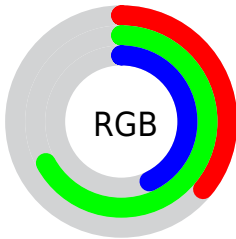
Format	Color
RYB	93, 157, 170
Decimal	6138477
CIELab	63.49, -37.28, 24.25
CIELCh	63, 44.474, 146.962
Yxy	32.1807, 0.2951, 0.4386
Android (android.graphics.Color)	4284328557 (0xFF5DAA6D)
YUV	140.0230, -15.2943, -41.2392
Hunter-Lab	56.7280, -31.1529, 19.2887

Details

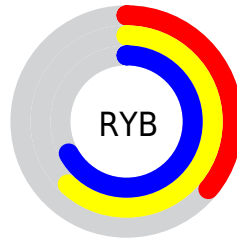
The XYZ color **21.6492, 32.1807, 19.5385** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **26.3256, 18.7084, 32.7963**, and the grayscale version is **25.0017, 26.3037, 28.6448**.

A 20% lighter version of the original color is **45.6620, 63.1690, 43.5044**, and **8.0029, 13.4716, 6.5934** is the 20% darker color. If you saturate the color by 10%, you get **19.4458, 31.1232, 15.9367**, and if you desaturate by 10%, it is **24.3479, 33.4825, 23.7448**.

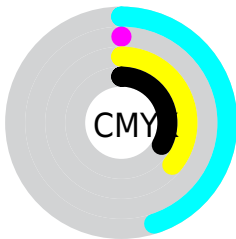
Distribution



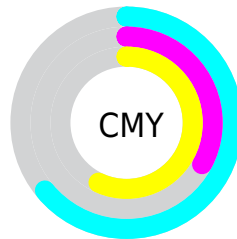
- Red (36%)
- Green (67%)
- Blue (43%)



- Red (36%)
- Yellow (62%)
- Blue (67%)



- Cyan (45%)
- Magenta (0%)
- Yellow (36%)
- Black (33%)



- Cyan (64%)
- Magenta (33%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6492, 32.1807, 19.5385 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 21.6492, 32.1807, 19.5385 by changing the saturation by 10% instead.

■ 21.6492, 32.1807,
19.5385

■ 21.6492, 32.1807,
19.5385

253.3757,
311.9416, 261.9267

■ 13.7145, 21.4996,
11.8793

■ 45.6487, 63.0943,
43.4908

■ 8.0027, 13.4896,
6.5400

■ 62.4442, 84.0955,
60.6210

■ 4.1485, 7.7666,
3.1021

■ 82.9241, 109.3055,
81.7453

■ 1.7865, 3.9460,
1.1470

■ 107.4536,
139.1087, 107.2822

■ 0.5095, 1.6434,
0.0000

136.3982,
173.8895, 137.6502

■ 0.0000, 0.3866,
0.0000

170.1232,

■ 0.0000, 0.0000,

214.0324, 173.2680

0.0000

208.9939,
259.9216, 214.5540

■ 21.6492, 32.1807,
19.5385

■ 21.6492, 32.1807,
19.5385

■ 19.4458, 31.1232,
15.9367

■ 24.3479, 33.4825,
23.7448

■ 17.7045, 30.2907,
12.9095

■ 27.5674, 35.0386,
28.5793

■ 16.3919, 29.6676,
10.4277


■ 31.3344, 36.8630,
34.0673

■ 15.4690, 29.2344,
8.4585


■ 35.6731, 38.9677,
40.2318


■ 14.8874, 28.9671,
6.9656


■ 40.6061, 41.3640,
47.0948

 14.6836, 28.8740,
6.4150

 46.1549, 44.0624,
54.6773

 52.3399, 47.0731,
62.9995

 59.1804, 50.4056,
72.0806

 66.6952, 54.0692,
81.9392

Harmonies

Analogous

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



25.4982, 32.1807, 12.5820



21.6492, 32.1807, 19.5385



20.1681, 32.1807, 33.2625

Triad

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



21.6492, 32.1807, 19.5385



29.9599, 32.1807, 81.3319



42.4781, 32.1807, 21.7374

Complementary

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



21.6492, 32.1807, 19.5385



26.3256, 18.7084, 32.7963

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.



44.0887, 32.1807, 36.8783



21.6492, 32.1807, 19.5385



36.3110, 32.1807, 75.0834

Square

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



21.6492, 32.1807, 19.5385



24.5420, 32.1807, 72.1187



41.6973, 32.1807, 57.1202



37.5506, 32.1807, 13.5175

Rectangle

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



21.6492, 32.1807, 19.5385



20.5503, 32.1807, 45.9625



41.6973, 32.1807, 57.1202



43.4520, 32.1807, 26.0003

Sweetspot

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



21.6500, 32.1820, 19.5392



57.6209, 67.2547, 62.9152



29.7926, 36.4703, 15.8253



12.5051, 14.8310, 13.5348



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.



21.6500, 32.1820, 19.5392



35.3939, 56.5215, 29.1043



24.1484, 33.1814, 32.6956



7.4982, 8.4323, 8.3434



10.8181, 21.2460, 4.8087



0.2805, 0.5238, 0.2081

Inverse Universe

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



26.3256, 18.7084, 32.7963



44.9076, 29.0479, 56.0365



23.6510, 17.6385, 18.7120



7.7741, 7.6395, 9.1278



15.4153, 7.5748, 17.5305



0.3914, 0.1908, 0.5127

Previews

White Background



This preview shows how the XYZ color 21.6492, 32.1807, 19.5385 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 21.6492, 32.1807, 19.5385 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 21.6492, 32.1807, 19.5385

Background



This preview shows how black text looks on a background with the XYZ color 21.6492, 32.1807, 19.5385.



This preview shows how white text looks on a background with the XYZ color 21.6492, 32.1807,

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

21.6492, 32.1807, 19.5385

Protanopia

29.5154, 31.8488, 17.1622

Deuteranopia

32.2934, 31.7856, 20.3528



Tritanopia

26.8425, 32.1240, 45.3432

Trichromacy



Original Color

21.6492, 32.1807, 19.5385



Protanomaly

25.5954, 31.3052, 18.0581



Deuteranomaly

26.8587, 30.9084, 19.8796



Tritanomaly

24.6346, 32.0282, 34.1618

Monochromacy



Original Color

21.6492, 32.1807, 19.5385



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

23.1974, 27.9292, 24.9371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6492, 32.1807, 19.5385 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(93, 170, 109)` looks like.

```
.text, #text, p{  
    color:rgb(93, 170, 109)  
}
```

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(93, 170, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 170, 109) }
```

Border

The CSS property to change the border of an element to XYZ 21.6492, 32.1807, 19.5385 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(93, 170, 109) }
```


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

```
.border{ border-color:rgb(93, 170, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 170, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 170, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 170, 109);  
box-shadow:4px 4px 4px 4px rgb(93, 170,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6492, 32.1807, 19.5385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 170, 109) }
```

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

```
.background{ background-color: rgb(93, 170,  
109) }
```

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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