

Converting Colors

XYZ(21.4091, 32.8057, 17.8959)

Have a look what the booklet for
XYZ(21.4091, 32.8057, 17.8959)
contains.

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Color

**XYZ(21.4617, 32.9703,
17.8031)**

Conversions

Conversions Part 1

Format	Color
Hex	59AD66
RGB	89, 173, 102
RGB Percent	35%, 68%, 40%
CMY	0.6510, 0.3216, 0.6000
CMYK	0.49, 0.00, 0.41, 0.32
HSL	129°, 34%, 51%
HSV	129°, 49%, 68%
XYZ	21.4617, 32.9703, 17.8031
YIQ	139.7900, -27.2730, -39.8890

Conversions

Conversions Part 2

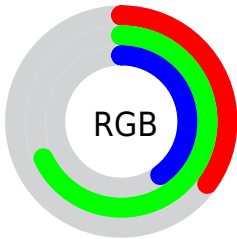
Format	Color
RYB	89, 162, 173
Decimal	5877094
CIELab	64.14, -40.95, 28.80
CIElCh	64, 50.063, 144.877
Yxy	32.9703, 0.2971, 0.4564
Android (android.graphics.Color)	4284067174 (0xFF59AD66)
YUV	139.7900, -18.6305, -44.5428
Hunter-Lab	57.4198, -33.7669, 21.8109

Details

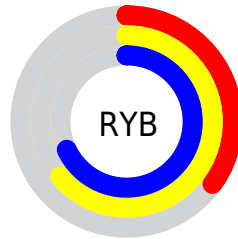
The XYZ color **21.4617, 32.9703, 17.8031** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **27.1522, 18.5678, 35.4119**, and the grayscale version is **24.9240, 26.2220, 28.5558**.

A 20% lighter version of the original color is **45.3536, 64.3010, 40.5928**, and **7.9474, 13.9906, 5.7716** is the 20% darker color. If you saturate the color by 10%, you get **19.3303, 31.9490, 14.2462**, and if you desaturate by 10%, it is **24.1129, 34.2466, 22.0536**.

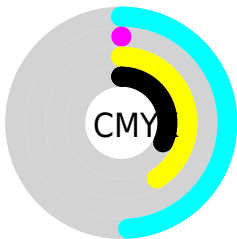
Distribution



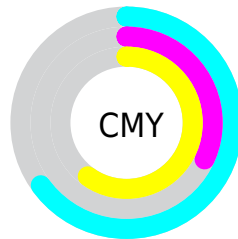
- Red (35%)
- Green (68%)
- Blue (40%)



- Red (35%)
- Yellow (64%)
- Blue (68%)



- Cyan (49%)
- Magenta (0%)
- Yellow (41%)
- Black (32%)



- Cyan (65%)
- Magenta (32%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4617, 32.9703, 17.8031 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 21.4617, 32.9703, 17.8031 by changing the saturation by 10% instead.

■ 21.4617, 32.9703,
17.8031

■ 21.4617, 32.9703,
17.8031

252.4076,
315.5159, 251.9576

■ 13.5763, 22.1037,
10.6407

■ 45.3402, 64.3292,
40.5109

■ 7.9063, 13.9331,
5.7147

■ 62.0640, 85.5902,
56.8935

■ 4.0863, 8.0742,
2.6064

■ 82.4646, 111.0848,
77.1865

■ 1.7511, 4.1424,
0.8958

■ 106.9074,
141.1975, 101.8085

■ 0.4879, 1.7536,
0.0000

135.7577,
176.3125, 131.1781

■ 0.0000, 0.4580,
0.0000

169.3810,

■ 0.0000, 0.0000,

216.8143, 165.7138

0.0000

208.1425,
263.0873, 205.8341

■ 21.4617, 32.9703,
17.8031

■ 21.4617, 32.9703,
17.8031

■ 19.3303, 31.9490,
14.2462

■ 24.1129, 34.2466,
22.0536

■ 17.6817, 31.1616,
11.3439

■ 27.3125, 35.7893,
27.0293

■ 16.4779, 30.5904,
9.0569


■ 31.0904, 37.6139,
32.7629


■ 15.6741, 30.2132,
7.3405

■ 35.4731, 39.7335,
39.2841


■ 15.1959, 29.9927,
6.1434


■ 40.4858, 42.1604,
46.6213

 15.1394, 29.9665,
6.0095

 46.1522, 44.9064,
54.8011

 52.4947, 47.9823,
63.8494

 59.5346, 51.3988,
73.7905

 67.2923, 55.1658,
84.6481

Harmonies

Analogous

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



25.9478, 32.9703, 10.8594



21.4617, 32.9703, 17.8031



19.6310, 32.9703, 32.5260

Triad

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



21.4617, 32.9703, 17.8031



30.1362, 32.9703, 90.4790



45.3950, 32.9703, 21.8586

Complementary

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



21.4617, 32.9703, 17.8031



27.1522, 18.5678, 35.4119

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.



46.9616, 32.9703, 39.4976



21.4617, 32.9703, 17.8031



37.4256, 32.9703, 84.2127

Square

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



21.4617, 32.9703, 17.8031



24.1336, 32.9703, 78.2093



43.8551, 32.9703, 63.3554



39.8483, 32.9703, 12.5065

Rectangle

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



21.4617, 32.9703, 17.8031



19.9270, 32.9703, 46.8786



43.8551, 32.9703, 63.3554



46.4367, 32.9703, 26.7835

Sweetspot

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



21.4625, 32.9717, 17.8038



58.1418, 68.5525, 62.3619



31.3253, 38.1249, 15.1593



12.3018, 14.7366, 13.0535



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.



21.4625, 32.9717, 17.8038



34.4644, 57.1432, 25.2497



24.0679, 34.0138, 31.5234



7.9532, 8.9588, 8.7783



11.1358, 22.0196, 4.4889



0.3249, 0.6186, 0.2043

Inverse Universe

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



27.1522, 18.5678, 35.4119



45.8194, 28.3329, 60.3425



24.1008, 17.3472, 19.3432



8.2830, 8.1265, 9.8011



16.5022, 8.0634, 20.8220



0.4732, 0.2300, 0.6535

Previews

White Background



This preview shows how the XYZ color 21.4617, 32.9703, 17.8031 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 21.4617, 32.9703, 17.8031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

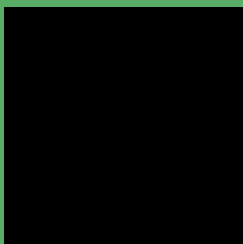
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.4617, 32.9703, 17.8031

Background



This preview shows how black text looks on a background with the XYZ color 21.4617, 32.9703, 17.8031.



This preview shows how white text looks on a background with the XYZ color 21.4617, 32.9703,

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

21.4617, 32.9703, 17.8031

Protanopia

30.1491, 32.7039, 15.5499

Deuteranopia

33.0638, 32.4529, 18.7087



Tritanopia

27.1551, 32.7894, 46.4927

Trichromacy



Original Color

21.4617, 32.9703, 17.8031



Protanomaly

25.9402, 32.2980, 16.4222



Deuteranomaly

27.0529, 31.5441, 18.2985



Tritanomaly

24.5793, 32.5488, 33.8412

Monochromacy



Original Color

21.4617, 32.9703, 17.8031



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

22.8793, 28.0278, 23.9427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4617, 32.9703, 17.8031 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(89, 173, 102)` looks like.

```
.text, #text, p{  
    color:rgb(89, 173, 102)  
}
```

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(89, 173, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 173, 102) }
```

Border

The CSS property to change the border of an element to XYZ 21.4617, 32.9703, 17.8031 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(89, 173, 102) }
```


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

```
.border{ border-color:rgb(89, 173, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 173, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 173, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 173, 102);  
box-shadow:4px 4px 4px 4px rgb(89, 173,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4617, 32.9703, 17.8031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 173, 102) }
```

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

```
.background{ background-color: rgb(89, 173,  
102) }
```

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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