

Converting Colors

XYZ(21.8784, 17.1418, 13.3258)

Have a look what the booklet for
XYZ(21.8784, 17.1418, 13.3258)
contains.

XYZ(21.9294, 17.1359, 13.2181)	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(21.9294, 17.1359,
13.2181)**

Conversions

Conversions Part 1

Format	Color
Hex	A65F60
RGB	166, 95, 96
RGB Percent	65%, 37%, 38%
CMY	0.3490, 0.6274, 0.6235
CMYK	0.00, 0.43, 0.42, 0.35
HSL	359°, 29%, 51%
HSV	359°, 43%, 65%
XYZ	21.9294, 17.1359, 13.2181
YIQ	116.3430, 41.9950, 15.3630

Conversions

Conversions Part 2

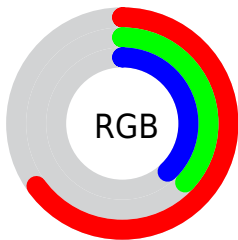
Format	Color
R_{YB}	166, 95, 96
Decimal	10903392
CIE _{Lab}	48.43, 28.95, 12.06
CIE _{LCh}	48, 31.358, 22.614
Yxy	17.1359, 0.4194, 0.3278
Android (android.graphics.Color)	4289093472 (0xFFA65F60)
YUV	116.3430, -10.0291, 43.5492
Hunter-Lab	41.3955, 22.1187, 10.0448

Details

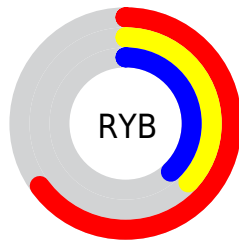
The XYZ color **21.9294, 17.1359, 13.2181** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **25.1479, 32.4223, 40.5317**, and the grayscale version is **16.7270, 17.5981, 19.1643**.

A 20% lighter version of the original color is **46.0535, 38.6307, 32.2233**, and **8.1478, 5.6428, 3.6774** is the 20% darker color. If you saturate the color by 10%, you get **19.9136, 14.1872, 9.2075**, and if you desaturate by 10%, it is **24.4217, 20.7863, 18.1618**.

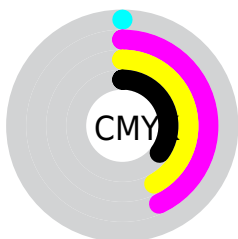
Distribution



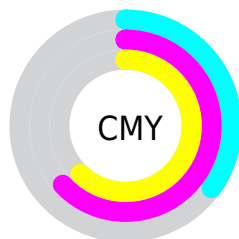
- Red (65%)
- Green (37%)
- Blue (38%)



- Red (65%)
- Yellow (37%)
- Blue (38%)



- Cyan (0%)
- Magenta (43%)
- Yellow (42%)
- Black (35%)



- Cyan (35%)
- Magenta (63%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9294, 17.1359, 13.2181 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 21.9294, 17.1359, 13.2181 by changing the saturation by 10% instead.

■ 21.9294, 17.1359,
13.2181

■ 21.9294, 17.1359,
13.2181

254.8167,
235.9543, 223.5674

■ 13.9213, 10.3314,
7.4464

■ 46.1090, 38.5593,
32.3920

■ 8.1473, 5.6193,
3.6602

■ 63.0113, 53.9470,
46.6312

■ 4.2420, 2.6150,
1.4408

■ 83.6090, 72.9646,
64.5301

■ 1.8399, 0.9342,
0.1733

■ 108.2675, 95.9964,
86.5071

■ 0.5415, 0.0000,
0.0000

137.3522,
123.4269, 112.9808

■ 0.0000, 0.0000,
0.0000

171.2283,

155.6405, 144.3697

210.2614,
193.0215, 181.0924

■ 21.9294, 17.1359,
13.2181

■ 21.9294, 17.1359,
13.2181

■ 19.9136, 14.1872,
9.2075

■ 24.4217, 20.7863,
18.1618

■ 18.3426, 11.8929,
6.0706

■ 27.4166, 25.1767,
24.0912

■ 17.1831, 10.2038,
3.7426

■ 30.9401, 30.3456,
31.0559


■ 16.3968, 9.0629,
2.1494


■ 35.0160, 36.3281,
39.1019


■ 15.9378, 8.4022,
1.2032


■ 39.6666, 43.1573,
48.2728

 15.7386, 8.1121,
0.8032

 44.9129, 50.8644,
58.6092

 50.7750, 59.4788,
70.1503

 57.2720, 69.0288,
82.9329

 64.4220, 79.5415,
96.9927

Harmonies

Analogous

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



22.3940, 17.1359, 20.7640



21.9294, 17.1359, 13.2181



19.8720, 17.1359, 8.7089

Triad

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



21.9294, 17.1359, 13.2181



12.2850, 17.1359, 10.6146



15.5881, 17.1359, 39.1234

Complementary

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



21.9294, 17.1359, 13.2181



25.1479, 32.4223, 40.5317

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.



13.1617, 17.1359, 34.2390



21.9294, 17.1359, 13.2181



11.4056, 17.1359, 16.6996

Square

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



21.9294, 17.1359, 13.2181



14.2565, 17.1359, 7.5429



11.7066, 17.1359, 25.4170



18.5020, 17.1359, 37.3748

Rectangle

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



21.9294, 17.1359, 13.2181



17.9920, 17.1359, 7.2766



11.7066, 17.1359, 25.4170



14.6936, 17.1359, 38.1635

Sweetspot

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



21.9298, 17.1368, 13.2184



55.8286, 54.5977, 55.7218



26.4545, 18.9181, 38.3336



12.1705, 11.7441, 11.8315



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.9298, 17.1368, 13.2184



36.4104, 26.1419, 17.2470



25.6840, 24.7180, 14.2449



7.5352, 7.5440, 7.8697



12.2060, 6.2911, 0.6306



0.2983, 0.1536, 0.0221

Inverse Universe

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



21.9298, 17.1368, 13.2184



36.4104, 26.1419, 17.2470



19.8114, 21.6037, 39.2021



7.5352, 7.5440, 7.8697



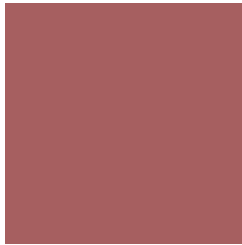
12.2060, 6.2911, 0.6306



0.2983, 0.1536, 0.0221

Previews

White Background



This preview shows how the XYZ color 21.9294, 17.1359, 13.2181 looks on a white background.

Color Contrast Check

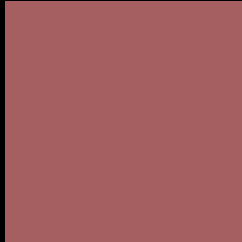
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.9294, 17.1359, 13.2181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

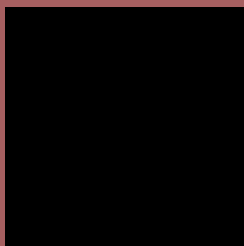
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.9294, 17.1359, 13.2181

Background



This preview shows how black text looks on a background with the XYZ color 21.9294, 17.1359, 13.2181.

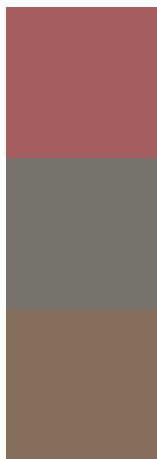


This preview shows how white text looks on a background with the XYZ color 21.9294, 17.1359,

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

21.9294, 17.1359, 13.2181

Protanopia

16.4780, 17.2951, 16.1055

Deuteranopia

17.4917, 17.2275, 12.7593



Tritanopia

22.0776, 17.0520, 14.4397

Trichromacy



Original Color

21.9294, 17.1359, 13.2181

Protanomaly

18.0774, 17.0028, 14.8995

Deuteranomaly

18.9260, 17.0223, 12.8778

Tritanomaly

21.9807, 17.0133, 13.9298

Monochromacy



Original Color

21.9294, 17.1359, 13.2181

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.9544, 16.8976, 16.7833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9294, 17.1359, 13.2181 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(166, 95, 96)` looks like.

```
.text, #text, p{  
    color:rgb(166, 95, 96)  
}
```

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(166, 95, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 95, 96) }
```

Border

The CSS property to change the border of an element to XYZ 21.9294, 17.1359, 13.2181 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(166, 95, 96) }
```


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

```
.border{ border-color:rgb(166, 95, 96) }
```

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

Here you see how a box with a 4 pixel rgb(166, 95, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 95, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 95, 96);  
box-shadow:4px 4px 4px 4px rgb(166, 95,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9294, 17.1359, 13.2181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 95, 96) }
```

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

```
.background{ background-color: rgb(166, 95,  
96) }
```

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