

Converting Colors

XYZ(21.4324, 17.6184, 10.9055)

Have a look what the booklet for
XYZ(21.4324, 17.6184, 10.9055)
contains.

XYZ(21.5067, 17.6627, 10.8701)	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(21.5067, 17.6627,
10.8701)**

Conversions

Conversions Part 1

Format	Color
Hex	A46455
RGB	164, 100, 85
RGB Percent	64%, 39%, 33%
CMY	0.3569, 0.6078, 0.6667
CMYK	0.00, 0.39, 0.48, 0.36
HSL	11°, 32%, 49%
HSV	11°, 48%, 64%
XYZ	21.5067, 17.6627, 10.8701
YIQ	117.4260, 42.9590, 8.9030

Conversions

Conversions Part 2

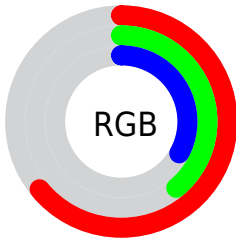
Format	Color
R _Y B	164, 104, 85
Decimal	10773589
CIE Lab	49.08, 24.15, 19.43
CIE LCh	49, 30.996, 38.829
Yxy	17.6627, 0.4298, 0.3530
Android (android.graphics.Color)	4288963669 (0xFFA46455)
YUV	117.4260, -15.9860, 40.8454
Hunter-Lab	42.0270, 17.7974, 14.0838

Details

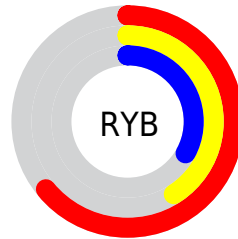
The XYZ color **21.5067, 17.6627, 10.8701** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.1941, 26.1055, 39.0437**, and the grayscale version is **17.0800, 17.9695, 19.5687**.

A 20% lighter version of the original color is **45.4202, 39.5779, 28.1671**, and **7.9177, 5.8604, 2.7213** is the 20% darker color. If you saturate the color by 10%, you get **19.7571, 15.0882, 7.4365**, and if you desaturate by 10%, it is **23.6160, 20.7150, 15.1689**.

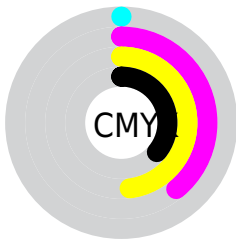
Distribution



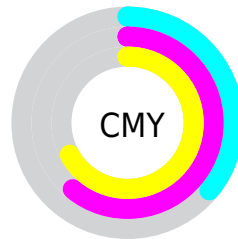
- Red (64%)
- Green (39%)
- Blue (33%)



- Red (64%)
- Yellow (41%)
- Blue (33%)



- Cyan (0%)
- Magenta (39%)
- Yellow (48%)
- Black (36%)





- Cyan (36%)
- Magenta (61%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.5067, 17.6627, 10.8701 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 21.5067, 17.6627, 10.8701 by changing the saturation by 10% instead.


 21.5067, 17.6627,
10.8701


 21.5067, 17.6627,
10.8701


252.6403,
238.9629, 207.4795


 13.6095, 10.7081,
5.8665


 45.4143, 39.4617,
28.0527


 7.9294, 5.8709,
2.6966


 62.1553, 55.0749,
41.0687


 4.1012, 2.7667,
0.9417

 82.5750, 74.3432,
57.5926

 1.7596, 1.0112,
0.0000

 107.0386, 97.6508,
78.0430

 0.4931, 0.0000,
0.0000

 135.9116,
125.3821, 102.8383

 0.0000, 0.0000,
0.0000

169.5593,

157.9217, 132.3972

208.3471,
195.6538, 167.1380

■ 21.5067, 17.6627,
10.8701

■ 21.5067, 17.6627,
10.8701

■ 19.7571, 15.0882,
7.4365

■ 23.6160, 20.7150,
15.1689

■ 18.3453, 12.9645,
4.8081

■ 26.1026, 24.2650,
20.3855

■ 17.2489, 11.2660,
2.9186

■ 28.9846, 28.3347,
26.5694

■ 16.4419, 9.9630,
1.6907

■ 32.2785, 32.9441,
33.7662

■ 15.8863, 9.0191,
0.9898

■ 35.9997, 38.1120,
42.0187

■ 15.8036, 8.8801,
0.8811

■ 40.1629, 43.8562,
51.3672

■ 44.7822, 50.1940,
61.8499

■ 49.8710, 57.1417,
73.5031

■ 55.4419, 64.7151,
86.3615

Harmonies

Analogous

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



22.9088, 17.6627, 16.8879



21.5067, 17.6627, 10.8701



18.8788, 17.6627, 7.8698

Triad

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



21.5067, 17.6627, 10.8701



12.1151, 17.6627, 14.0311



17.6565, 17.6627, 39.6691

Complementary

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



21.5067, 17.6627, 10.8701



21.1941, 26.1055, 39.0437

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.



14.8573, 17.6627, 38.2493



21.5067, 17.6627, 10.8701



11.8677, 17.6627, 21.7828

Square

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



21.5067, 17.6627, 10.8701



13.5350, 17.6627, 9.2965



12.8153, 17.6627, 31.0544



20.5242, 17.6627, 34.5100

Rectangle

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



21.5067, 17.6627, 10.8701



16.9019, 17.6627, 7.2935



12.8153, 17.6627, 31.0544



16.6744, 17.6627, 39.9704

Sweetspot

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



21.5071, 17.6636, 10.8704



54.8573, 54.5826, 53.1082



24.0246, 16.5761, 30.5838



11.7317, 11.5667, 11.0419



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.5071, 17.6636, 10.8704



35.6015, 26.9991, 12.9998



26.1798, 27.0089, 12.4280



7.1776, 7.2936, 7.4096



12.1448, 6.8635, 0.6847



0.2835, 0.2007, 0.0238

Inverse Universe

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



21.1941, 26.1055, 39.0437



34.9210, 44.1268, 70.4291



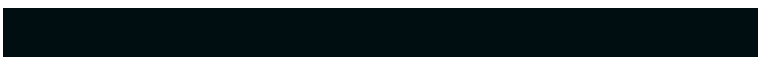
16.0251, 15.7673, 37.3207



7.1613, 7.7815, 9.0276



11.5864, 14.9521, 29.2052



0.2713, 0.3698, 0.6229

Previews

White Background



This preview shows how the XYZ color 21.5067, 17.6627, 10.8701 looks on a white background.

Color Contrast Check

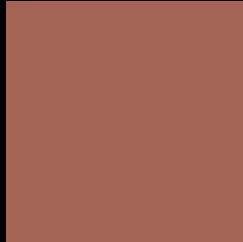
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5067, 17.6627, 10.8701 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 × Fail

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

XYZ 21.5067, 17.6627, 10.8701

Background



This preview shows how black text looks on a background with the XYZ color 21.5067, 17.6627, 10.8701.



This preview shows how white text looks on a background with the XYZ color 21.5067, 17.6627,

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

21.5067, 17.6627, 10.8701

Protanopia

16.7945, 17.8729, 12.9206

Deuteranopia

18.0030, 17.7018, 10.6516



Tritanopia

22.4993, 17.6559, 15.3188

Trichromacy



Original Color

21.5067, 17.6627, 10.8701

Protanomaly

18.1774, 17.5960, 12.1112

Deuteranomaly

19.1755, 17.6611, 10.7858

Tritanomaly

22.0424, 17.5978, 13.5442

Monochromacy



Original Color

21.5067, 17.6627, 10.8701

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.0658, 17.4571, 15.7820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5067, 17.6627, 10.8701 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(164, 100, 85)` looks like.

```
.text, #text, p{  
    color:rgb(164, 100, 85)  
}
```

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(164, 100, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 100, 85) }
```

Border

The CSS property to change the border of an element to XYZ 21.5067, 17.6627, 10.8701 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(164, 100, 85) }
```


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

```
.border{ border-color:rgb(164, 100, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 100, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 100, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 100, 85);  
box-shadow:4px 4px 4px 4px rgb(164, 100,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5067, 17.6627, 10.8701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 100, 85) }
```

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

```
.background{ background-color: rgb(164,  
100, 85) }
```

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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