

Converting Colors

XYZ(21.8394, 17.5917, 2.8167)

Have a look what the booklet for
XYZ(21.8394, 17.5917, 2.8167)
contains.

XYZ(21.8394, 17.5917, 2.8167)	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(21.8394, 17.5917,
2.8167)**

Conversions

Conversions Part 1

Format	Color
Hex	AE6112
RGB	174, 97, 18
RGB Percent	68%, 38%, 7%
CMY	0.3176, 0.6196, 0.9294
CMYK	0.00, 0.44, 0.90, 0.32
HSL	30°, 81%, 38%
HSV	30°, 90%, 68%
XYZ	21.8394, 17.5917, 2.8167
YIQ	111.0170, 71.2510, -8.2450

Conversions

Conversions Part 2

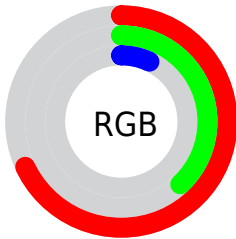
Format	Color
R_{YB}	170, 174, 18
Decimal	11428114
CIE _{Lab}	49.00, 26.09, 52.91
CIE _{LCh}	49, 58.995, 63.757
Yxy	17.5917, 0.5169, 0.4164
Android (android.graphics.Color)	4289618194 (0xFFAE6112)
YUV	111.0170, -45.8574, 55.2361
Hunter-Lab	41.9425, 19.5455, 25.3780

Details

The XYZ color **21.8394, 17.5917, 2.8167** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **11.9813, 11.3684, 41.6069**, and the grayscale version is **15.2293, 16.0225, 17.4485**.

A 20% lighter version of the original color is **45.9882, 39.2969, 11.1225**, and **8.1685, 5.8415, 0.6970** is the 20% darker color. If you saturate the color by 10%, you get **20.9828, 16.0481, 2.0090**, and if you desaturate by 10%, it is **22.8770, 19.3468, 4.1502**.

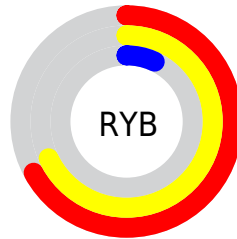
Distribution



Red (68%)

Green (38%)

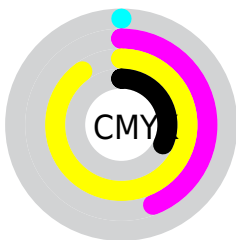
Blue (7%)



Red (67%)

Yellow (68%)

Blue (7%)

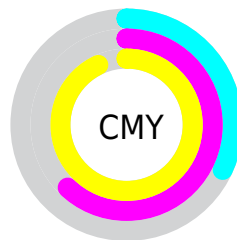


Cyan (0%)

Magenta (44%)

Yellow (90%)

Black (32%)



Cyan (32%)


Magenta (62%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.8394, 17.5917, 2.8167 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 21.8394, 17.5917, 2.8167 by changing the saturation by 10% instead.


 21.8394, 17.5917,
2.8167


 21.8394, 17.5917,
2.8167


254.3546,
238.5595, 133.9907


 13.8549, 10.6573,
1.0018


 45.9612, 39.3404,
11.1727

 8.1008, 5.8369,
0.0000


 62.8293, 54.9233,
18.5509

 4.2119, 2.7461,
0.0000

 83.3892, 74.1580,
28.6206

 1.8227, 1.0007,
0.0000

 108.0064, 97.4286,
41.8003

 0.5313, 0.0000,
0.0000

 137.0462,
125.1197, 58.5087

 0.0000, 0.0000,
0.0000

 170.8739,

157.6156, 79.1641

209.8549,
195.3007, 104.1853

21.8394, 17.5917,
2.8167

21.8394, 17.5917,
2.8167

20.9828, 16.0481,
2.0090

22.8770, 19.3468,
4.1502

20.9550, 15.9977,
1.9834

24.1312, 21.3294,
6.1895

25.6216, 23.5520,
9.0235

27.3648, 26.0253,
12.7275

29.3754, 28.7587,
17.3679

■ 31.6669, 31.7611,
23.0047

■ 34.2519, 35.0411,
29.6928

■ 37.1418, 38.6065,
37.4830

■ 40.3477, 42.4650,
46.4228

Harmonies

Analogous

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



27.1294, 17.5917, 6.7827



21.8394, 17.5917, 2.8167



16.0378, 17.5917, 2.0489

Triad

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



21.8394, 17.5917, 2.8167



8.2400, 17.5917, 21.2056



23.3033, 17.5917, 56.9188

Complementary

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



21.8394, 17.5917, 2.8167



11.9813, 11.3684, 41.6069

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.



17.4221, 17.5917, 67.9732



21.8394, 17.5917, 2.8167



9.3863, 17.5917, 41.3603

Square

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



21.8394, 17.5917, 2.8167



8.9232, 17.5917, 8.6502



12.4712, 17.5917, 61.1146



28.0963, 17.5917, 35.8861

Rectangle

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



21.8394, 17.5917, 2.8167



12.8159, 17.5917, 2.6650



12.4712, 17.5917, 61.1146



21.3468, 17.5917, 62.3249

Sweetspot

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



21.8398, 17.5926, 2.8170



58.4154, 58.8632, 44.2025



19.7831, 10.2758, 12.0073



12.6539, 12.6589, 8.9899



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



21.8398, 17.5926, 2.8170



37.7862, 28.5697, 3.5229



32.7005, 39.3141, 6.4373



8.3279, 8.6606, 8.4461



15.2585, 11.7224, 1.4584



0.4791, 0.4355, 0.0588

Inverse Universe

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



11.9813, 11.3684, 41.6069



19.6539, 17.1347, 74.9083



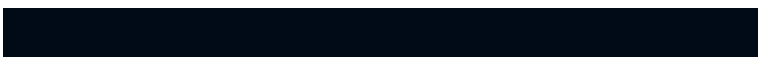
8.1058, 3.6173, 40.3150



7.8931, 8.3855, 10.1553



8.0073, 7.1484, 30.0023



0.2776, 0.3086, 0.8529

Previews

White Background



This preview shows how the XYZ color 21.8394, 17.5917, 2.8167 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 21.8394, 17.5917, 2.8167 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 21.8394, 17.5917, 2.8167

Background



This preview shows how black text looks on a background with the XYZ color 21.8394, 17.5917, 2.8167.



This preview shows how white text looks on a background with the XYZ color 21.8394, 17.5917,

2.8167.

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

21.8394, 17.5917, 2.8167

Protanopia

16.0419, 17.6941, 3.4340

Deuteranopia

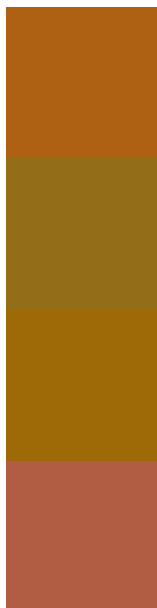
17.8972, 17.6648, 2.4664



Tritanopia

23.9453, 17.5225, 13.4294

Trichromacy



Original Color

21.8394, 17.5917, 2.8167

Protanomaly

17.7534, 17.4128, 3.1844

Deuteranomaly

19.0970, 17.4915, 2.5707

Tritanomaly

22.8622, 17.4762, 7.6371

Monochromacy



Original Color

21.8394, 17.5917, 2.8167

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.3251, 15.9122, 9.2321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8394, 17.5917, 2.8167 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(174, 97, 18)` looks like.

```
.text, #text, p{  
    color:rgb(174, 97, 18)  
}
```

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(174, 97, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 97, 18) }
```

Border

The CSS property to change the border of an element to XYZ 21.8394, 17.5917, 2.8167 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(174, 97, 18) }
```


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

```
.border{ border-color:rgb(174, 97, 18) }
```

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

Here you see how a box with a 4 pixel rgb(174, 97, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 97, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 97, 18);  
box-shadow:4px 4px 4px 4px rgb(174, 97,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8394, 17.5917, 2.8167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 97, 18) }
```

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

```
.background{ background-color: rgb(174, 97,  
18) }
```

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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