

Converting Colors

XYZ(41.5780, 32.4850, 18.7040)

Have a look what the booklet for
XYZ(41.5780, 32.4850, 18.7040)
contains.

XYZ(41.5850, 32.5717, 18.8470)	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(41.5850, 32.5717,
18.8470)**

Conversions

Conversions Part 1

Format	Color
Hex	E1806E
RGB	225, 128, 110
RGB Percent	88%, 50%, 43%
CMY	0.1176, 0.4980, 0.5686
CMYK	0.00, 0.43, 0.51, 0.12
HSL	9°, 66%, 66%
HSV	9°, 51%, 88%
XYZ	41.5850, 32.5717, 18.8470
YIQ	154.9510, 63.5900, 14.9660

Conversions

Conversions Part 2

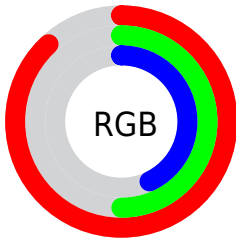
Format	Color
RYB	225, 131, 110
Decimal	14778478
CIELab	63.81, 35.56, 26.15
CIElCh	64, 44.138, 36.327
Yxy	32.5717, 0.4471, 0.3502
Android (android.graphics.Color)	4292968558 (0xFFE1806E)
YUV	154.9510, -22.1608, 61.4330
Hunter-Lab	57.0716, 30.1879, 20.3706

Details

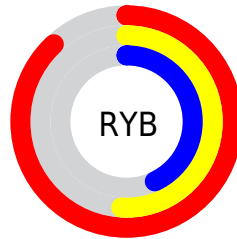
The XYZ color **41.5850, 32.5717, 18.8470** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **42.3325, 53.3741, 79.3050**, and the grayscale version is **31.2101, 32.8355, 35.7579**.

A 20% lighter version of the original color is **64.4895, 57.3245, 41.8482**, and **19.2493, 13.7625, 6.1993** is the 20% darker color. If you saturate the color by 10%, you get **38.2639, 27.6474, 12.4443**, and if you desaturate by 10%, it is **45.6817, 38.5496, 27.0431**.

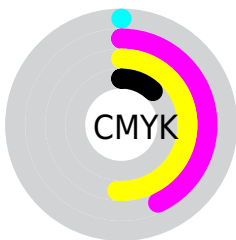
Distribution



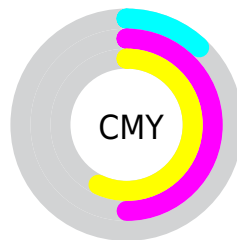
- Red (88%)
- Green (50%)
- Blue (43%)



- Red (88%)
- Yellow (51%)
- Blue (43%)



- Cyan (0%)
- Magenta (43%)
- Yellow (51%)
- Black (12%)



- Cyan (12%)
- Magenta (50%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5850, 32.5717, 18.8470 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 41.5850, 32.5717, 18.8470 by changing the saturation by 10% instead.

41.5850, 32.5717,
18.8470

41.5850, 32.5717,
18.8470

343.7807,
313.7154, 257.9973

28.9662, 21.7985,
11.3841

76.8403, 63.7063,
42.3087

19.1994, 13.7089,
6.2084

100.2074, 84.8365,
59.1445

11.9193, 7.9185,
2.9014

127.8880,
110.1878, 79.9417

6.7606, 4.0429,
1.0445

160.2475,
140.1447, 105.1188

3.3578, 1.6976,
0.0000

197.6511,
175.0915, 135.0944

1.3457, 0.4221,
0.0000

240.4643,

0.2170, 0.0000,

215.4126, 170.2870

0.0000

289.0523,
261.4924, 211.1151

■ 0.0000, 0.0000,
0.0000

■ 41.5850, 32.5717,
18.8470

■ 41.5850, 32.5717,
18.8470

■ 38.2639, 27.6474,
12.4443

■ 45.6817, 38.5496,
27.0431

■ 35.6660, 23.7103,
7.6979

■ 50.5968, 45.6323,
37.1519

■ 33.7362, 20.6943,
4.4541

■ 56.3731, 53.8738,
49.2847

■ 32.4099, 18.5228,
2.5289

■ 63.0493, 63.3230,
63.5436

■ 31.6590, 17.2231,
1.6558

■ 70.6622, 74.0260,
80.0239

■ 79.2460, 86.0266,
98.8149

■ 84.8613, 94.7475,
108.4232

Harmonies

Analogous

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



44.3762, 32.5717, 31.8358



41.5850, 32.5717, 18.8470



35.9936, 32.5717, 12.4928

Triad

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



41.5850, 32.5717, 18.8470



21.2774, 32.5717, 23.4516



32.2902, 32.5717, 81.3455

Complementary

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



41.5850, 32.5717, 18.8470



42.3325, 53.3741, 79.3050

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.



26.4162, 32.5717, 76.7998



41.5850, 32.5717, 18.8470



20.5612, 32.5717, 39.3601

Square

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



41.5850, 32.5717, 18.8470



24.4225, 32.5717, 14.4639



22.3165, 32.5717, 59.7655



38.5673, 32.5717, 70.6757

Rectangle

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



41.5850, 32.5717, 18.8470



31.7281, 32.5717, 11.1469



22.3165, 32.5717, 59.7655



30.2013, 32.5717, 81.5853

Sweetspot

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



41.5858, 32.5734, 18.8476



80.0498, 78.8927, 76.4840



47.9817, 31.7013, 63.1034



16.7315, 16.3166, 15.5112



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



41.5858, 32.5734, 18.8476



50.6969, 36.5359, 16.2976



51.1625, 51.7268, 22.0398



13.8797, 14.0453, 14.2863



18.2978, 10.0335, 0.9723



1.3226, 0.8041, 0.0855

Inverse Universe

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



42.3325, 53.3741, 79.3050



51.7216, 66.8515, 104.7854



30.9675, 30.6440, 75.5167



13.9242, 15.1876, 17.5853



18.4845, 24.4385, 44.7912



1.3311, 1.7936, 3.1213

Previews

White Background



This preview shows how the XYZ color 41.5850, 32.5717, 18.8470 looks on a white background.

Color Contrast Check

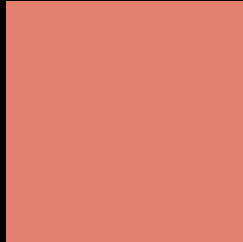
Large Text (above 18pt) WCAG AA × Fail

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 41.5850, 32.5717, 18.8470 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 41.5850, 32.5717, 18.8470

Background



This preview shows how black text looks on a background with the XYZ color 41.5850, 32.5717, 18.8470.



This preview shows how white text looks on a background with the XYZ color 41.5850, 32.5717,

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

41.5850, 32.5717, 18.8470

Protanopia

30.7512, 32.8472, 23.1317

Deuteranopia

33.1990, 32.5347, 18.1657



Tritanopia

43.3152, 32.7194, 26.5868

Trichromacy



Original Color

41.5850, 32.5717, 18.8470

Protanomaly

33.8889, 32.1236, 21.5539

Deuteranomaly

35.9981, 32.3906, 18.2646

Tritanomaly

42.5266, 32.5711, 23.4475

Monochromacy



Original Color

41.5850, 32.5717, 18.8470

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

33.6080, 31.8182, 28.7963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5850, 32.5717, 18.8470 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(225, 128, 110)` looks like.

```
.text, #text, p{  
    color:rgb(225, 128, 110)  
}
```

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(225, 128, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 128, 110) }
```

Border

The CSS property to change the border of an element to XYZ 41.5850, 32.5717, 18.8470 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(225, 128, 110) }
```


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

```
.border{ border-color:rgb(225, 128, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 128, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 128, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 128, 110);  
box-shadow:4px 4px 4px 4px rgb(225, 128,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5850, 32.5717, 18.8470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 128, 110) }
```

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

```
.background{ background-color: rgb(225,  
128, 110) }
```

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