

Converting Colors

XYZ(51.9169, 50.5115, 30.6865)

Have a look what the booklet for
XYZ(51.9169, 50.5115, 30.6865)
contains.

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Color

**XYZ(51.8880, 50.4562,
30.6711)**

Conversions

Conversions Part 1

Format	Color
Hex	E1B489
RGB	225, 180, 137
RGB Percent	88%, 71%, 54%
CMY	0.1176, 0.2941, 0.4627
CMYK	0.00, 0.20, 0.39, 0.12
HSL	29°, 59%, 71%
HSV	29°, 39%, 88%
XYZ	51.8880, 50.4562, 30.6711
YIQ	188.5530, 40.6230, -3.8330

Conversions

Conversions Part 2

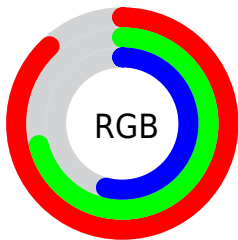
Format	Color
R _Y B	225, 221, 137
Decimal	14791817
CIE Lab	76.35, 10.59, 28.12
CIE LCh	76, 30.045, 69.359
Yxy	50.4562, 0.3901, 0.3793
Android (android.graphics.Color)	4292981897 (0xFFE1B489)
YUV	188.5530, -25.4156, 31.9640
Hunter-Lab	71.0325, 6.0842, 24.1220

Details

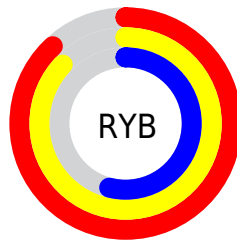
The XYZ color **51.8880, 50.4562, 30.6711** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **40.6346, 44.2090, 77.6258**, and the grayscale version is **48.2398, 50.7520, 55.2690**.

A 20% lighter version of the original color is **80.6394, 85.0125, 61.4491**, and **25.4581, 24.1917, 12.3445** is the 20% darker color. If you saturate the color by 10%, you get **48.2126, 45.4246, 22.2964**, and if you desaturate by 10%, it is **56.0953, 56.0127, 40.8846**.

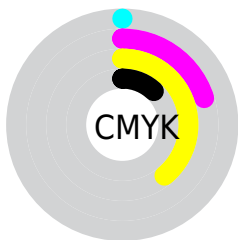
Distribution



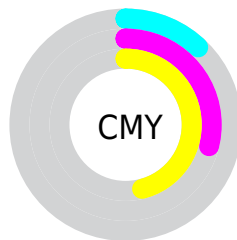
- Red (88%)
- Green (71%)
- Blue (54%)



- Red (88%)
- Yellow (87%)
- Blue (54%)



- Cyan (0%)
- Magenta (20%)
- Yellow (39%)
- Black (12%)





- Cyan (12%)
- Magenta (29%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8880, 50.4562, 30.6711 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 51.8880, 50.4562, 30.6711 by changing the saturation by 10% instead.


 51.8880, 50.4562,
30.6711


 51.8880, 50.4562,
30.6711


384.3351,
388.4473, 319.3243


 37.1397, 35.7760,
20.0922


 92.1412, 90.8504,
61.7954

 25.4899, 24.2613,
12.2773

 118.3769,
117.3333, 83.1778

 16.5731, 15.5275,
6.8080

 149.1724,
148.5191, 108.9985

 10.0240, 9.1905,
3.2657

184.8932,
184.7924, 139.6759

 5.4772, 4.8656,
1.2319

225.9044,
226.5374, 175.6287

 2.5675, 2.1686,
0.0049

272.5716,

 0.9294, 0.7028,

274.1387, 217.2753

0.0000

325.2601,
327.9805, 265.0344

■ 0.0000, 0.0000,
0.0000

■ 51.8880, 50.4562,
30.6711

■ 51.8880, 50.4562,
30.6711

■ 48.2126, 45.4246,
22.2964

■ 56.0953, 56.0127,
40.8846

■ 45.0397, 40.8932,
15.6449

■ 60.8544, 62.1038,
53.0367

■ 42.3420, 36.8451,
10.5923

■ 66.1889, 68.7476,
67.2238

■ 40.0879, 33.2597,
6.9964

■ 72.1195, 75.9592,
83.5347

■ 38.2406, 30.1137,
4.6888

■ 78.6660, 83.7531,
102.0531

■ 36.7445, 27.3762,
3.4050

■ 82.9871, 90.9990,
107.7984

■ 36.6225, 27.1498,
3.3102

■ 84.8614, 94.7476,
108.4232

Harmonies

Analogous

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



56.8530, 50.4562, 37.4813



51.8880, 50.4562, 30.6711



46.2128, 50.4562, 29.6106

Triad

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



51.8880, 50.4562, 30.6711



38.0204, 50.4562, 60.1523



55.1787, 50.4562, 82.6639

Complementary

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



51.8880, 50.4562, 30.6711



40.6346, 44.2090, 77.6258

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.



49.7447, 50.4562, 91.6928



51.8880, 50.4562, 30.6711



40.0412, 50.4562, 77.1156

Square

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



51.8880, 50.4562, 30.6711



38.4957, 50.4562, 44.6879



44.2299, 50.4562, 89.4841



58.8541, 50.4562, 66.6472

Rectangle

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



51.8880, 50.4562, 30.6711



42.8276, 50.4562, 32.0457



44.2299, 50.4562, 89.4841



53.4806, 50.4562, 86.7468

Sweetspot

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



51.8893, 50.4586, 30.6721



85.7191, 88.6040, 83.3902



48.4892, 37.2961, 49.1529



18.1450, 18.7136, 17.3079



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.



51.8893, 50.4586, 30.6721



64.8532, 61.4724, 31.4243



62.0973, 70.8747, 34.0748



14.2574, 14.8009, 14.4122



21.2198, 15.8775, 1.9463



1.5603, 1.2794, 0.1647

Inverse Universe

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



40.6346, 44.2090, 77.6258



47.9030, 52.0577, 102.1311



33.0632, 29.0664, 75.1021



13.5286, 14.3963, 17.4534



11.4847, 10.4390, 42.4580



0.8856, 0.9027, 2.9728

Previews

White Background



This preview shows how the XYZ color 51.8880, 50.4562, 30.6711 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 51.8880, 50.4562, 30.6711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

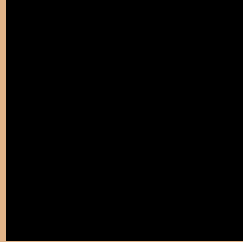
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.8880, 50.4562, 30.6711

Background



This preview shows how black text looks on a background with the XYZ color 51.8880, 50.4562, 30.6711.



This preview shows how white text looks on a background with the XYZ color 51.8880, 50.4562,

30.6711.

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

51.8880, 50.4562, 30.6711

Protanopia

47.1481, 50.4461, 32.4514

Deuteranopia

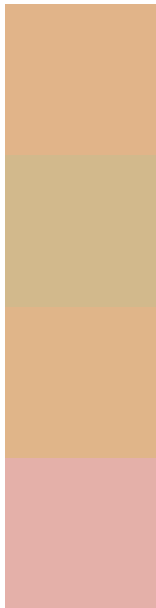
51.4707, 50.5419, 30.7097



Tritanopia

56.5463, 50.2980, 53.7419

Trichromacy



Original Color

51.8880, 50.4562, 30.6711

Protanomaly

48.6609, 50.2930, 31.9538

Deuteranomaly

51.7797, 50.7012, 30.7241

Tritanomaly

54.6817, 50.4092, 44.3840

Monochromacy



Original Color

51.8880, 50.4562, 30.6711

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

49.1717, 50.5766, 45.2009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8880, 50.4562, 30.6711 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, 180, 137)` looks like.

```
.text, #text, p{  
    color:rgb(225, 180, 137)  
}
```

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, 180, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 180, 137) }
```

Border

The CSS property to change the border of an element to XYZ 51.8880, 50.4562, 30.6711 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, 180, 137) }
```


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

```
.border{ border-color:rgb(225, 180, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 180, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 180, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 180, 137);  
box-shadow:4px 4px 4px 4px rgb(225, 180,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8880, 50.4562, 30.6711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 180, 137) }
```

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

```
.background{ background-color: rgb(225,  
180, 137) }
```

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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