

Converting Colors

XYZ(30.0882, 47.8400, 36.4135)

Have a look what the booklet for
XYZ(30.0882, 47.8400, 36.4135)
contains.

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Color

**XYZ(30.2017, 48.0566,
36.5382)**

Conversions

Conversions Part 1

Format	Color
Hex	44CF96
RGB	68, 207, 150
RGB Percent	27%, 81%, 59%
CMY	0.7333, 0.1882, 0.4118
CMYK	0.67, 0.00, 0.28, 0.19
HSL	155°, 59%, 54%
HSV	155°, 67%, 81%
XYZ	30.2017, 48.0566, 36.5382
YIQ	158.9410, -64.5470, -47.1950

Conversions

Conversions Part 2

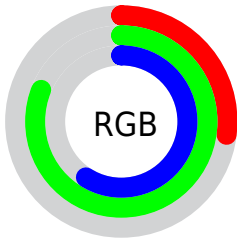
Format	Color
RYB	68, 155, 207
Decimal	4509590
CIELab	74.86, -50.45, 17.67
CIELCh	75, 53.453, 160.692
Yxy	48.0566, 0.2631, 0.4186
Android (android.graphics.Color)	4282699670 (0xFF44CF96)
YUV	158.9410, -4.4079, -79.7553
Hunter-Lab	69.3229, -43.5484, 17.2759

Details

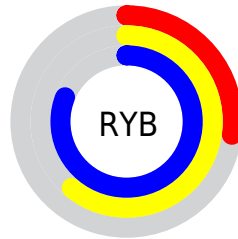
The XYZ color **30.2017, 48.0566, 36.5382** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **31.5024, 18.8813, 21.3878**, and the grayscale version is **32.9694, 34.6864, 37.7735**.

A 20% lighter version of the original color is **56.0192, 80.7049, 69.7518**, and **13.4804, 23.3573, 15.6023** is the 20% darker color. If you saturate the color by 10%, you get **28.3460, 47.1773, 33.0121**, and if you desaturate by 10%, it is **32.6190, 49.2222, 40.3513**.

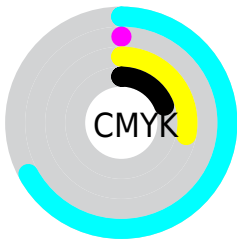
Distribution



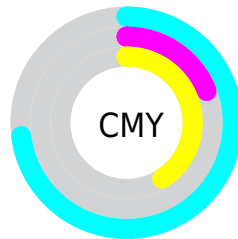
- Red (27%)
- Green (81%)
- Blue (59%)



- Red (27%)
- Yellow (61%)
- Blue (81%)



- Cyan (67%)
- Magenta (0%)
- Yellow (28%)
- Black (19%)



- Cyan (73%)
- Magenta (19%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2017, 48.0566, 36.5382 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 30.2017, 48.0566, 36.5382 by changing the saturation by 10% instead.

■ 30.2017, 48.0566,
36.5382

■ 30.2017, 48.0566,
36.5382

294.7365,
379.0164, 346.4151

■ 20.1406, 33.8717,
24.5572

■ 59.3654, 87.2887,
71.0403

■ 12.6061, 22.7951,
15.5314

■ 79.1988, 113.1046,
94.3985

■ 7.2330, 14.4423,
9.0424

■ 103.0202,
143.5664, 122.3861

■ 3.6559, 8.4289,
4.6717

■ 131.1951,
179.0584, 155.4218

■ 1.5094, 4.3706,
2.0006

■ 164.0888,
219.9650, 193.9240

■ 0.3322, 1.8830,
0.5556

202.0667,

■ 0.0000, 0.5381,

266.6706, 238.3112

0.0000

245.4942,
319.5596, 289.0021

■ 0.0000, 0.0000,
0.0000

■ 30.2017, 48.0566,
36.5382

■ 30.2017, 48.0566,
36.5382

■ 28.3460, 47.1773,
33.0121

■ 32.6190, 49.2222,
40.3513

■ 26.9906, 46.5491,
29.7614

■ 35.6433, 50.6935,
44.4556

■ 26.0596, 46.1343,
26.7781

■ 39.3196, 52.4951,
48.8593

■ 25.8337, 46.0354,
25.9739

■ 43.6872, 54.6469,
53.5693

■ 48.7825, 57.1677,
58.5921

■ 54.6389, 60.0747,
63.9341

■ 61.2881, 63.3839,
69.6012

■ 68.7597, 67.1106,
75.5995

■ 77.0816, 71.2691,
81.9345

Harmonies

Analogous

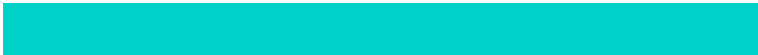
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.5354, 48.0566, 21.3140



30.2017, 48.0566, 36.5382



29.6531, 48.0566, 62.9053

Triad

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



30.2017, 48.0566, 36.5382



49.2349, 48.0566, 124.5777



61.3752, 48.0566, 24.5960

Complementary

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



30.2017, 48.0566, 36.5382



31.5024, 18.8813, 21.3878

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.



66.6291, 48.0566, 43.0038



30.2017, 48.0566, 36.5382



58.9876, 48.0566, 104.3512

Square

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



30.2017, 48.0566, 36.5382



39.7673, 48.0566, 120.9010



65.6981, 48.0566, 72.1089



52.1435, 48.0566, 16.3064

Rectangle

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



30.2017, 48.0566, 36.5382



31.4074, 48.0566, 84.7031



65.6981, 48.0566, 72.1089



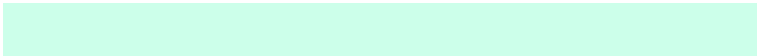
63.7205, 48.0566, 29.4710

Sweetspot

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



30.2030, 48.0585, 36.5393



75.5255, 90.3028, 91.3561



31.9496, 49.4743, 13.3349



15.6649, 19.0808, 19.0623



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.



30.2030, 48.0585, 36.5393



44.2841, 75.0729, 50.3344



33.2564, 44.9530, 65.9578



11.9447, 13.3216, 14.0651



16.3238, 29.0224, 16.6170



0.9516, 1.6383, 1.1340

Inverse Universe

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



31.5024, 18.8813, 21.3878



46.5596, 25.1086, 24.6381



29.6151, 19.3603, 7.6454



12.0068, 11.8875, 13.3119



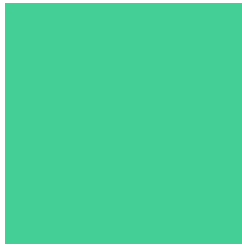
17.2871, 8.7877, 6.4180



1.0056, 0.5070, 0.5642

Previews

White Background



This preview shows how the XYZ color 30.2017, 48.0566, 36.5382 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 30.2017, 48.0566, 36.5382 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

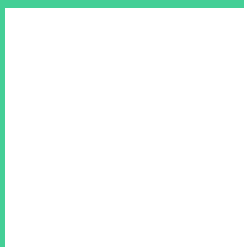
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.2017, 48.0566, 36.5382

Background



This preview shows how black text looks on a background with the XYZ color 30.2017, 48.0566, 36.5382.



This preview shows how white text looks on a background with the XYZ color 30.2017, 48.0566,

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

30.2017, 48.0566, 36.5382

Protanopia

44.0994, 47.3332, 31.2380

Deuteranopia

48.1895, 47.1866, 38.4664



Tritanopia

37.2034, 48.0803, 71.6096

Trichromacy



Original Color

30.2017, 48.0566, 36.5382



Protanomaly

36.2020, 46.0720, 32.9713



Deuteranomaly

37.7036, 45.1428, 37.2981



Tritanomaly

34.1807, 47.8875, 56.7319

Monochromacy



Original Color

30.2017, 48.0566, 36.5382



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

30.1303, 37.8866, 37.1773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2017, 48.0566, 36.5382 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(68, 207, 150)` looks like.

```
.text, #text, p{  
    color:rgb(68, 207, 150)  
}
```

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(68, 207, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 207, 150) }
```

Border

The CSS property to change the border of an element to XYZ 30.2017, 48.0566, 36.5382 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(68, 207, 150) }
```


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

```
.border{ border-color:rgb(68, 207, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 207, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 207, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 207, 150);  
box-shadow:4px 4px 4px 4px rgb(68, 207,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2017, 48.0566, 36.5382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 207, 150) }
```

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

```
.background{ background-color: rgb(68, 207,  
150) }
```

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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