

Converting Colors

XYZ(29.6722, 39.1719, 34.9432)

Have a look what the booklet for
XYZ(29.6722, 39.1719, 34.9432)
contains.

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Color

**XYZ(29.6366, 39.1717,
34.8530)**

Conversions

Conversions Part 1

Format	Color
Hex	77B596
RGB	119, 181, 150
RGB Percent	47%, 71%, 59%
CMY	0.5333, 0.2902, 0.4118
CMYK	0.34, 0.00, 0.17, 0.29
HSL	150°, 30%, 59%
HSV	150°, 34%, 71%
XYZ	29.6366, 39.1717, 34.8530
YIQ	158.9280, -27.0010, -22.7850

Conversions

Conversions Part 2

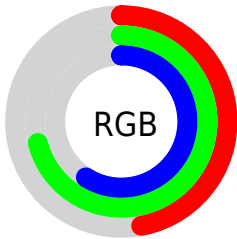
Format	Color
RYB	119, 160, 181
Decimal	7845270
CIELab	68.88, -26.79, 9.53
CIELCh	69, 28.433, 160.427
Yxy	39.1717, 0.2859, 0.3779
Android (android.graphics.Color)	4286035350 (0xFF77B596)
YUV	158.9280, -4.4015, -35.0169
Hunter-Lab	62.5873, -25.0037, 10.7943

Details

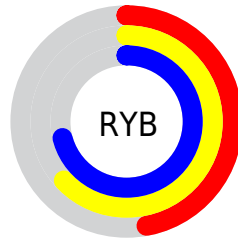
The XYZ color **29.6366, 39.1717, 34.8530** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.1592, 25.2203, 32.0814**, and the grayscale version is **32.9509, 34.6669, 37.7522**.

A 20% lighter version of the original color is **58.4169, 73.8122, 68.2950**, and **12.2860, 17.5325, 14.5409** is the 20% darker color. If you saturate the color by 10%, you get **26.6844, 37.7318, 31.0567**, and if you desaturate by 10%, it is **33.1203, 40.8812, 38.9697**.

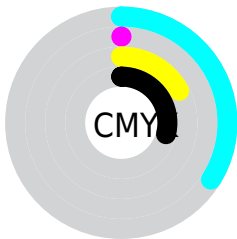
Distribution



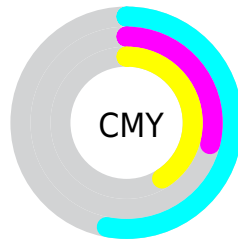
- Red (47%)
- Green (71%)
- Blue (59%)



- Red (47%)
- Yellow (63%)
- Blue (71%)



- Cyan (34%)
- Magenta (0%)
- Yellow (17%)
- Black (29%)





- Cyan (53%)
- Magenta (29%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6366, 39.1717, 34.8530 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 29.6366, 39.1717, 34.8530 by changing the saturation by 10% instead.

 29.6366, 39.1717,
34.8530


 29.6366, 39.1717,
34.8530


292.1472,
342.6199, 338.8035


 19.7096, 26.8933,
23.2670


 58.4776, 73.9005,
68.4070

 12.2912, 17.4931,
14.5836

 78.1223, 97.1198,
91.2120

 7.0159, 10.5867,
8.3843


 101.7370,
124.7548, 118.5939

 3.5185, 5.7897,
4.2506

129.6870,
157.1900, 150.9710

 1.4335, 2.7176,
1.7638

162.3376,
194.8097, 188.7620

 0.2799, 0.9861,
0.4039

200.0543,

 0.0000, 0.0000,

237.9983, 232.3854

0.0000

243.2024,
287.1403, 282.2597

■ 29.6366, 39.1717,
34.8530

■ 29.6366, 39.1717,
34.8530

■ 26.6844, 37.7318,
31.0567

■ 33.1203, 40.8812,
38.9697

■ 24.2324, 36.5424,
27.5703

■ 37.1584, 42.8688,
43.4119

■ 22.2506, 35.5891,
24.3863


■ 41.7762, 45.1484,
48.1876


■ 20.7044, 34.8544,
21.4961


■ 46.9965, 47.7317,
53.3040


■ 19.5542, 34.3180,
18.8905


■ 52.8408, 50.6297,
58.7679


 18.7523, 33.9553,
16.5594

 59.3295, 53.8527,
64.5859

 18.3914, 33.7959,
15.3385

 66.4822, 57.4107,
70.7646

 71.0038, 59.6049,
77.1550

 72.2529, 60.1045,
83.7325

Harmonies

Analogous

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



31.8811, 39.1717, 26.3872



29.6366, 39.1717, 34.8530



29.3300, 39.1717, 47.3110

Triad

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



29.6366, 39.1717, 34.8530



38.8248, 39.1717, 72.0721



44.2383, 39.1717, 28.4753

Complementary

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



29.6366, 39.1717, 34.8530



31.1592, 25.2203, 32.0814

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.



46.4382, 39.1717, 38.3081



29.6366, 39.1717, 34.8530



43.1494, 39.1717, 64.5138

Square

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



29.6366, 39.1717, 34.8530



34.3985, 39.1717, 70.6262



46.0244, 39.1717, 51.5339



40.2160, 39.1717, 23.2533

Rectangle

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



29.6366, 39.1717, 34.8530



30.2367, 39.1717, 56.5218



46.0244, 39.1717, 51.5339



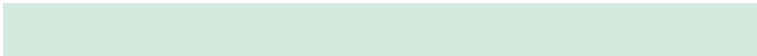
45.2297, 39.1717, 31.2588

Sweetspot

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



29.6377, 39.1733, 34.8539



69.7997, 78.3781, 81.1695



32.6236, 40.9639, 23.6405



14.8443, 16.8209, 17.2911



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



29.6377, 39.1733, 34.8539



49.0606, 68.1932, 57.3134



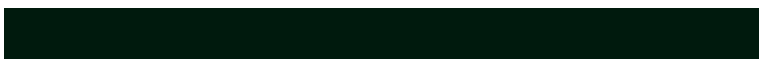
32.3677, 40.2653, 49.2302



8.5602, 9.5586, 9.9439



12.7131, 23.3112, 10.7580



0.4295, 0.7452, 0.4936

Inverse Universe

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



31.1592, 25.2203, 32.0814



52.1941, 39.4570, 51.6034



29.0462, 24.3751, 20.9543



8.6676, 8.5738, 9.7482



14.4589, 7.3011, 7.5766



0.4844, 0.2415, 0.3935

Previews

White Background



This preview shows how the XYZ color 29.6366, 39.1717, 34.8530 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 29.6366, 39.1717, 34.8530 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

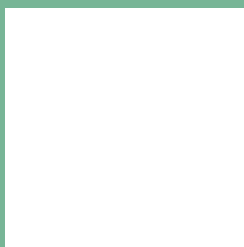
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6366, 39.1717, 34.8530

Background



This preview shows how black text looks on a background with the XYZ color 29.6366, 39.1717, 34.8530.



This preview shows how white text looks on a background with the XYZ color 29.6366, 39.1717,

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

29.6366, 39.1717, 34.8530

Protanopia

36.6811, 38.8507, 31.5522

Deuteranopia

39.3166, 38.5142, 35.9336



Tritanopia

33.5263, 38.9668, 54.4695

Trichromacy



Original Color

29.6366, 39.1717, 34.8530

Protanomaly

33.4584, 38.5489, 32.8714

Deuteranomaly

34.8567, 38.0917, 35.6523

Tritanomaly

31.9175, 38.8994, 46.3835

Monochromacy



Original Color

29.6366, 39.1717, 34.8530

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.3211, 35.9670, 36.7440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6366, 39.1717, 34.8530 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(119, 181, 150)` looks like.

```
.text, #text, p{  
    color:rgb(119, 181, 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(119, 181, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 181, 150) }
```

Border

The CSS property to change the border of an element to XYZ 29.6366, 39.1717, 34.8530 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(119, 181, 150) }
```


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

```
.border{ border-color:rgb(119, 181, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 181, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 181, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 181, 150);  
box-shadow:4px 4px 4px 4px rgb(119, 181,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6366, 39.1717, 34.8530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 181, 150) }
```

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

```
.background{ background-color: rgb(119,  
181, 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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