

Converting Colors

XYZ(23.4532, 35.0223, 28.4235)

Have a look what the booklet for
XYZ(23.4532, 35.0223, 28.4235)
contains.

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Color

**XYZ(23.4036, 34.8990,
28.4244)**

Conversions

Conversions Part 1

Format	Color
Hex	50B187
RGB	80, 177, 135
RGB Percent	31%, 69%, 53%
CMY	0.6863, 0.3059, 0.4706
CMYK	0.55, 0.00, 0.24, 0.31
HSL	154°, 38%, 50%
HSV	154°, 55%, 69%
XYZ	23.4036, 34.8990, 28.4244
YIQ	143.2090, -44.3300, -33.6260

Conversions

Conversions Part 2

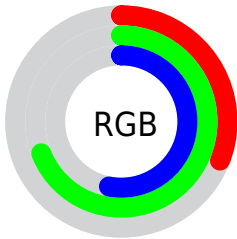
Format	Color
RYB	80, 142, 177
Decimal	5288327
CIELab	65.67, -38.64, 12.99
CIELCh	66, 40.761, 161.419
Yxy	34.8990, 0.2699, 0.4024
Android (android.graphics.Color)	4283478407 (0xFF50B187)
YUV	143.2090, -4.0470, -55.4343
Hunter-Lab	59.0754, -32.6664, 12.8251

Details

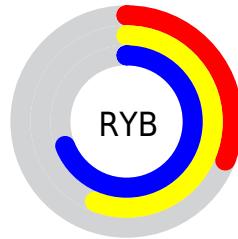
The XYZ color **23.4036, 34.8990, 28.4244** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **24.5141, 16.4904, 20.3046**, and the grayscale version is **26.2211, 27.5866, 30.0418**.

A 20% lighter version of the original color is **48.3694, 67.1429, 57.9875**, and **8.9600, 15.1293, 11.0423** is the 20% darker color. If you saturate the color by 10%, you get **21.5812, 34.0206, 25.6233**, and if you desaturate by 10%, it is **25.6604, 35.9987, 31.4501**.

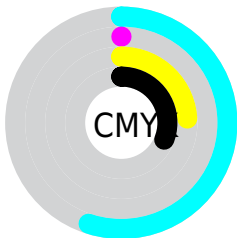
Distribution



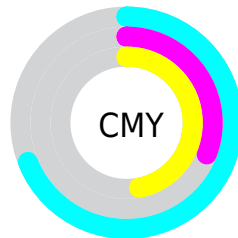
- Red (31%)
- Green (69%)
- Blue (53%)



- Red (31%)
- Yellow (56%)
- Blue (69%)



- Cyan (55%)
- Magenta (0%)
- Yellow (24%)
- Black (31%)





- Cyan (69%)
- Magenta (31%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.4036, 34.8990, 28.4244 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 23.4036, 34.8990, 28.4244 by changing the saturation by 10% instead.


 23.4036, 34.8990,
28.4244


 23.4036, 34.8990,
28.4244


262.2880,
324.1223, 308.4648


 15.0141, 23.5851,
18.4040


 48.5170, 67.3293,
58.1925


 8.9157, 15.0261,
11.0680


 65.9716, 89.2144,
78.7774


 4.7429, 8.8377,
5.9978


 87.1787, 115.3921,
103.7207

 2.1304, 4.6355,
2.7750

 112.5036,
146.2467, 133.4412

 0.7057, 2.0350,
0.9809

 142.3116,
182.1626, 168.3573

 0.0000, 0.6277,
0.0000

176.9681,

 0.0000, 0.0000,

223.5243, 208.8876

0.0000

216.8385,
270.7160, 255.4506

■ 23.4036, 34.8990,
28.4244

■ 23.4036, 34.8990,
28.4244

■ 21.5812, 34.0206,
25.6233

■ 25.6604, 35.9987,
31.4501

■ 20.1579, 33.3425,
23.0388

■ 28.3778, 37.3304,
34.7036

■ 19.0973, 32.8472,
20.6654

■ 31.5831, 38.9089,
38.1909

■ 18.3542, 32.5114,
18.4966

■ 35.3006, 40.7467,
41.9169

■ 18.0405, 32.3726,
17.4459

■ 39.5529, 42.8554,
45.8865

■ 44.3614, 45.2459,
50.1045

■ 49.7461, 47.9284,
54.5753

■ 55.7260, 50.9128,
59.3034

■ 62.3193, 54.2081,
64.2929

Harmonies

Analogous

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



26.1167, 34.8990, 18.2365



23.4036, 34.8990, 28.4244



23.1096, 34.8990, 44.9141

Triad

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



23.4036, 34.8990, 28.4244



35.5044, 34.8990, 80.3906



42.5828, 34.8990, 20.0820

Complementary

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



23.4036, 34.8990, 28.4244



24.5141, 16.4904, 20.3046

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.



45.7950, 34.8990, 31.8329



23.4036, 34.8990, 28.4244



41.3920, 34.8990, 68.5047

Square

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



23.4036, 34.8990, 28.4244



29.6328, 34.8990, 78.6453



45.3347, 34.8990, 49.5134



36.9790, 34.8990, 14.5176

Rectangle

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



23.4036, 34.8990, 28.4244



24.2772, 34.8990, 57.9278



45.3347, 34.8990, 49.5134



44.0068, 34.8990, 23.2620

Sweetspot

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



23.4045, 34.9004, 28.4252



62.1807, 72.4589, 74.0596



25.2020, 36.1649, 13.2422



13.1769, 15.5552, 15.7561



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.



23.4045, 34.9004, 28.4252



37.9952, 60.6139, 44.7779



25.7201, 33.8310, 46.7710



8.5840, 9.5681, 10.0692



13.1014, 23.4665, 12.8025



0.4408, 0.7498, 0.5535

Inverse Universe

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



24.5141, 16.4904, 20.3046



40.2042, 24.1953, 28.7835



22.9456, 16.6575, 9.5958



8.6440, 8.5643, 9.6240



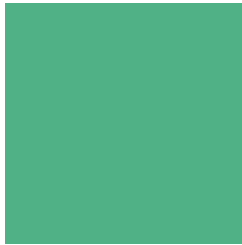
14.1276, 7.1686, 5.8320



0.4740, 0.2373, 0.3387

Previews

White Background



This preview shows how the XYZ color 23.4036, 34.8990, 28.4244 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 23.4036, 34.8990, 28.4244 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 23.4036, 34.8990, 28.4244

Background



This preview shows how black text looks on a background with the XYZ color 23.4036, 34.8990, 28.4244.



This preview shows how white text looks on a background with the XYZ color 23.4036, 34.8990,

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

23.4036, 34.8990, 28.4244

Protanopia

32.1412, 34.2849, 24.6623

Deuteranopia

34.9472, 34.3792, 29.6049



Tritanopia

27.7458, 34.6430, 50.5718

Trichromacy



Original Color

23.4036, 34.8990, 28.4244



Protanomaly

27.5709, 33.7295, 25.8262



Deuteranomaly

29.0094, 33.6049, 29.0022



Tritanomaly

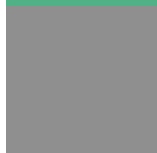
26.0430, 34.8140, 41.4236

Monochromacy



Original Color

23.4036, 34.8990, 28.4244



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

24.2007, 29.3292, 29.1965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4036, 34.8990, 28.4244 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(80, 177, 135)` looks like.

```
.text, #text, p{  
    color:rgb(80, 177, 135)  
}
```

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(80, 177, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 177, 135) }
```

Border

The CSS property to change the border of an element to XYZ 23.4036, 34.8990, 28.4244 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(80, 177, 135) }
```


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

```
.border{ border-color:rgb(80, 177, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 177, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 177, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 177, 135);  
box-shadow:4px 4px 4px 4px rgb(80, 177,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4036, 34.8990, 28.4244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 177, 135) }
```

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

```
.background{ background-color: rgb(80, 177,  
135) }
```

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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