

Converting Colors

XYZ(23.1453, 34.2882, 28.7916)

Have a look what the booklet for
XYZ(23.1453, 34.2882, 28.7916)
contains.

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Color

**XYZ(23.0822, 34.1430,
28.6663)**

Conversions

Conversions Part 1

Format	Color
Hex	50AF88
RGB	80, 175, 136
RGB Percent	31%, 69%, 53%
CMY	0.6863, 0.3137, 0.4667
CMYK	0.54, 0.00, 0.22, 0.31
HSL	155°, 37%, 50%
HSV	155°, 54%, 69%
XYZ	23.0822, 34.1430, 28.6663
YIQ	142.1490, -44.1010, -32.2690

Conversions

Conversions Part 2

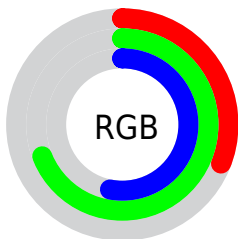
Format	Color
RYB	80, 140, 175
Decimal	5287816
CIELab	65.08, -37.52, 11.60
CIELCh	65, 39.270, 162.816
Yxy	34.1430, 0.2687, 0.3975
Android (android.graphics.Color)	4283477896 (0xFF50AF88)
YUV	142.1490, -3.0315, -54.5047
Hunter-Lab	58.4320, -31.7438, 11.8152

Details

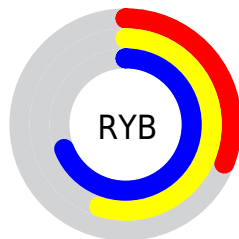
The XYZ color **23.0822, 34.1430, 28.6663** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **23.8788, 16.1841, 19.3194**, and the grayscale version is **25.7951, 27.1384, 29.5537**.

A 20% lighter version of the original color is **47.9146, 66.0602, 58.3696**, and **8.7773, 14.6621, 11.1716** is the 20% darker color. If you saturate the color by 10%, you get **21.2991, 33.2817, 26.0066**, and if you desaturate by 10%, it is **25.2862, 35.2191, 31.5259**.

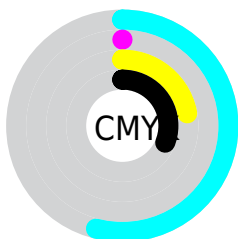
Distribution



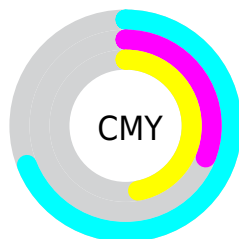
- Red (31%)
- Green (69%)
- Blue (53%)



- Red (31%)
- Yellow (55%)
- Blue (69%)



- Cyan (54%)
- Magenta (0%)
- Yellow (22%)
- Black (31%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.0822, 34.1430, 28.6663 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 23.0822, 34.1430, 28.6663 by changing the saturation by 10% instead.


 23.0822, 34.1430,
28.6663


 23.0822, 34.1430,
28.6663


260.6744,
320.7692, 309.6487


 14.7752, 23.0035,
18.5851

 47.9939, 66.1560,
58.5823


 8.7471, 14.5961,
11.1971


 65.3294, 87.7982,
79.2543


 4.6324, 8.5364,
6.0837


 86.4051, 113.7102,
104.2935

 2.0657, 4.4401,
2.8265

 111.5864,
144.2762, 134.1186

 0.6705, 1.9226,
1.0067

 141.2386,
179.8808, 169.1482

 0.0000, 0.5619,
0.0000

175.7271,

 0.0000, 0.0000,

220.9082, 209.8007

0.0000

215.4172,
267.7429, 256.4947

■ 23.0822, 34.1430,
28.6663

■ 23.0822, 34.1430,
28.6663

■ 21.2991, 33.2817,
26.0066

■ 25.2862, 35.2191,
31.5259

■ 19.9030, 32.6151,
23.5395

■ 27.9362, 36.5202,
34.5877

■ 18.8588, 32.1262,
21.2606

■ 31.0586, 38.0607,
37.8570

■ 18.1235, 31.7928,
19.1641

■ 34.6769, 39.8527,
41.3380

■ 17.7867, 31.6436,
18.0438

■ 38.8128, 41.9073,
45.0350

■ 43.4870, 44.2351,
48.9519

■ 48.7187, 46.8459,
53.0927

■ 54.5265, 49.7493,
57.4610

■ 60.9277, 52.9540,
62.0605

Harmonies

Analogous

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



25.5700, 34.1430, 18.6039



23.0822, 34.1430, 28.6663



22.9106, 34.1430, 44.5677

Triad

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



23.0822, 34.1430, 28.6663



34.9395, 34.1430, 76.8594



41.1565, 34.1430, 19.6888

Complementary

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



23.0822, 34.1430, 28.6663



23.8788, 16.1841, 19.3194

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.



44.3308, 34.1430, 30.6502



23.0822, 34.1430, 28.6663



40.4694, 34.1430, 65.2201

Square

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



23.0822, 34.1430, 28.6663



29.3259, 34.1430, 75.8606



44.0656, 34.1430, 47.2221



35.7925, 34.1430, 14.5582

Rectangle

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



23.0822, 34.1430, 28.6663



24.0987, 34.1430, 56.8717



44.0656, 34.1430, 47.2221



42.5416, 34.1430, 22.6502

Sweetspot

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



23.0831, 34.1444, 28.6671



60.7394, 70.6959, 72.7598



24.4671, 35.2039, 13.0954



13.2022, 15.5654, 15.8896



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.



23.0831, 34.1444, 28.6671



37.6346, 59.3591, 45.7373



24.8812, 32.4700, 45.5150



8.0951, 9.0156, 9.5256



12.7682, 22.6726, 13.0851



0.3815, 0.6412, 0.5025

Inverse Universe

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



23.8788, 16.1841, 19.3194



39.2233, 23.8706, 27.3489



22.6111, 16.6598, 9.6139



8.1365, 8.0678, 9.0294



13.5237, 6.8720, 5.1375



0.4038, 0.2022, 0.2883

Previews

White Background



This preview shows how the XYZ color 23.0822, 34.1430, 28.6663 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 23.0822, 34.1430, 28.6663 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 23.0822, 34.1430, 28.6663

Background



This preview shows how black text looks on a background with the XYZ color 23.0822, 34.1430, 28.6663.

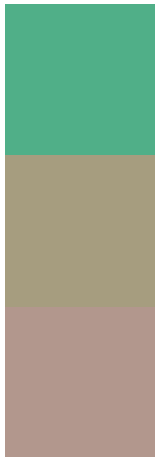


This preview shows how white text looks on a background with the XYZ color 23.0822, 34.1430,

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

23.0822, 34.1430, 28.6663

Protanopia

31.6136, 33.7532, 24.9275

Deuteranopia

34.2344, 33.5213, 29.8652



Tritanopia

27.2476, 34.1330, 49.4082

Trichromacy



Original Color

23.0822, 34.1430, 28.6663

Protanomaly

27.2964, 33.3135, 26.1106

Deuteranomaly

28.3863, 32.7565, 29.2526

Tritanomaly

25.4743, 33.9663, 40.8108

Monochromacy



Original Color

23.0822, 34.1430, 28.6663

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

23.8970, 28.9266, 29.1348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0822, 34.1430, 28.6663 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, 175, 136)` looks like.

```
.text, #text, p{  
    color:rgb(80, 175, 136)  
}
```

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, 175, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 175, 136) }
```

Border

The CSS property to change the border of an element to XYZ 23.0822, 34.1430, 28.6663 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, 175, 136) }
```


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

```
.border{ border-color:rgb(80, 175, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 175, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 175, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 175, 136);  
box-shadow:4px 4px 4px 4px rgb(80, 175,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0822, 34.1430, 28.6663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 175, 136) }
```

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

```
.background{ background-color: rgb(80, 175,  
136) }
```

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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