

Converting Colors

XYZ(23.1136, 31.7378, 36.4889)

Have a look what the booklet for
XYZ(23.1136, 31.7378, 36.4889)
contains.

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Color

**XYZ(23.1277, 31.7432,
36.3606)**

Conversions

Conversions Part 1

Format	Color
Hex	50A79C
RGB	80, 167, 156
RGB Percent	31%, 65%, 61%
CMY	0.6863, 0.3451, 0.3882
CMYK	0.52, 0.00, 0.07, 0.35
HSL	172°, 35%, 48%
HSV	172°, 52%, 65%
XYZ	23.1277, 31.7432, 36.3606
YIQ	139.7330, -48.3210, -21.8650

Conversions

Conversions Part 2

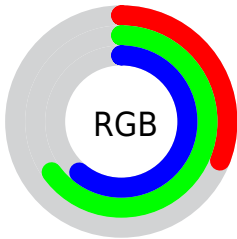
Format	Color
RYB	80, 126, 167
Decimal	5285788
CIELab	63.13, -28.92, -2.33
CIELCh	63, 29.018, 184.597
Yxy	31.7432, 0.2535, 0.3479
Android (android.graphics.Color)	4283475868 (0xFF50A79C)
YUV	139.7330, 8.0196, -52.3858
Hunter-Lab	56.3411, -25.3237, 1.1751

Details

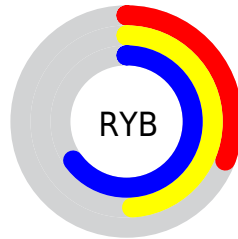
The XYZ color **23.1277, 31.7432, 36.3606** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.6944, 14.7090, 11.6470**, and the grayscale version is **24.8077, 26.0997, 28.4226**.

A 20% lighter version of the original color is **48.1739, 62.6627, 70.5289**, and **8.8322, 13.3596, 15.4777** is the 20% darker color. If you saturate the color by 10%, you get **21.7121, 31.0347, 35.3695**, and if you desaturate by 10%, it is **24.8987, 32.6361, 37.3859**.

Distribution



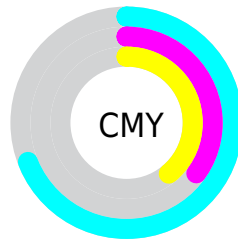
- Red (31%)
- Green (65%)
- Blue (61%)



- Red (31%)
- Yellow (49%)
- Blue (65%)



- Cyan (52%)
- Magenta (0%)
- Yellow (7%)
- Black (35%)



- Cyan (69%)
- Magenta (35%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1277, 31.7432, 36.3606 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 23.1277, 31.7432, 36.3606 by changing the saturation by 10% instead.

■ 23.1277, 31.7432,
36.3606

■ 23.1277, 31.7432,
36.3606

260.9033,
309.9478, 345.6189

■ 14.8090, 21.1654,
24.4209

■ 48.0680, 62.4083,
70.7636

■ 8.7709, 13.2450,
15.4311

■ 65.4204, 83.2644,
94.0640

■ 4.6480, 7.5975,
8.9725

■ 86.5148, 108.3154,
121.9883

■ 2.0748, 3.8385,
4.6267

■ 111.7164,
137.9457, 154.9552

■ 0.6755, 1.5836,
1.9751

■ 141.3908,
172.5397, 193.3832

■ 0.0000, 0.3465,
0.5399

175.9031,

■ 0.0000, 0.0000,

212.4818, 237.6908

0.0000

215.6188,
258.1563, 288.2965

■ 23.1277, 31.7432,
36.3606

■ 23.1277, 31.7432,
36.3606

■ 21.7121, 31.0347,
35.3695

■ 24.8987, 32.6361,
37.3859

■ 20.6226, 30.4931,
34.4092

■ 27.0462, 33.7220,
38.4445

■ 19.8300, 30.1043,
33.4788

■ 29.5927, 35.0132,
39.5381

■ 19.2983, 29.8496,
32.5766

■ 32.5582, 36.5200,
40.6678

■ 18.9986, 29.7102,
31.8804

■ 35.9615, 38.2522,
41.8346

■ 39.8200, 40.2187,
43.0393

■ 44.1505, 42.4280,
44.2828

■ 48.9685, 44.8884,
45.5658

■ 54.2892, 47.6075,
46.8893

Harmonies

Analogous

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



23.7359, 31.7432, 25.9391



23.1277, 31.7432, 36.3606



24.2657, 31.7432, 48.6581

Triad

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



23.1277, 31.7432, 36.3606



34.7579, 31.7432, 56.0810



33.5965, 31.7432, 18.2239

Complementary

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



23.1277, 31.7432, 36.3606



20.6944, 14.7090, 11.6470

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.



36.9641, 31.7432, 23.4923



23.1277, 31.7432, 36.3606



37.6752, 31.7432, 44.9133

Square

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



23.1277, 31.7432, 36.3606



30.7923, 31.7432, 61.5358



38.5161, 31.7432, 32.8255



29.5580, 31.7432, 16.9113

Rectangle

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



23.1277, 31.7432, 36.3606



25.9261, 31.7432, 55.8353



38.5161, 31.7432, 32.8255



34.8556, 31.7432, 19.5233

Sweetspot

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



23.1286, 31.7444, 36.3613



55.9861, 64.2224, 71.9741



19.6414, 30.4726, 12.4366



12.2951, 14.2531, 16.0173



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.1286, 31.7444, 36.3613



38.4383, 55.3570, 62.9859



18.9622, 21.8524, 39.7791



7.7061, 8.5155, 9.4385



14.5498, 22.7387, 24.4598



0.3650, 0.5576, 0.6530

Inverse Universe

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



20.6944, 14.7090, 11.6470



33.6036, 21.3515, 13.7735



23.1685, 20.3620, 10.2991



7.5683, 7.5572, 8.0438



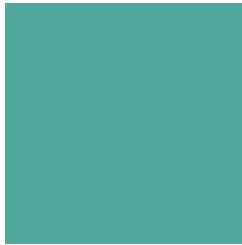
12.3097, 6.3326, 1.1764



0.3108, 0.1586, 0.0883

Previews

White Background



This preview shows how the XYZ color 23.1277, 31.7432, 36.3606 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 23.1277, 31.7432, 36.3606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

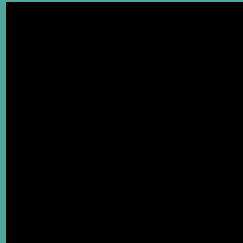
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.1277, 31.7432, 36.3606

Background



This preview shows how black text looks on a background with the XYZ color 23.1277, 31.7432, 36.3606.

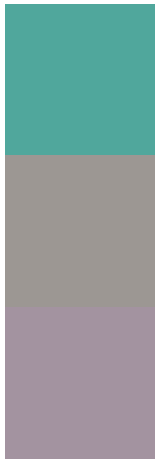


This preview shows how white text looks on a background with the XYZ color 23.1277, 31.7432,

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

23.1277, 31.7432, 36.3606

Protanopia

30.0434, 31.3077, 32.0633

Deuteranopia

31.8831, 31.1920, 37.5979



Tritanopia

25.1418, 31.7515, 46.3985

Trichromacy



Original Color

23.1277, 31.7432, 36.3606

Protanomaly

26.4641, 30.9051, 33.4246

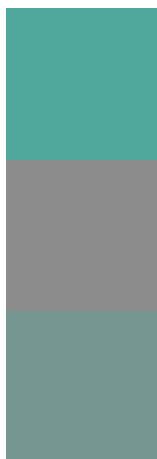
Deuteranomaly

27.4865, 30.6010, 37.2588

Tritanomaly

24.2727, 31.6597, 42.3677

Monochromacy



Original Color

23.1277, 31.7432, 36.3606

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

23.5659, 27.7396, 31.3063

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1277, 31.7432, 36.3606 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, 167, 156)` looks like.

```
.text, #text, p{  
    color:rgb(80, 167, 156)  
}
```

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, 167, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 167, 156) }
```

Border

The CSS property to change the border of an element to XYZ 23.1277, 31.7432, 36.3606 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, 167, 156) }
```


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

```
.border{ border-color:rgb(80, 167, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 167, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 167, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 167, 156);  
box-shadow:4px 4px 4px 4px rgb(80, 167,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1277, 31.7432, 36.3606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 167, 156) }
```

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

```
.background{ background-color: rgb(80, 167,  
156) }
```

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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