

Converting Colors

XYZ(23.2280, 31.0079, 35.3327)

Have a look what the booklet for
XYZ(23.2280, 31.0079, 35.3327)
contains.

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Color

**XYZ(23.2280, 31.0079,
35.3327)**

Conversions

Conversions Part 1

Format	Color
Hex	59A49A
RGB	89, 164, 154
RGB Percent	35%, 64%, 60%
CMY	0.6510, 0.3569, 0.3961
CMYK	0.46, 0.00, 0.06, 0.36
HSL	172°, 30%, 50%
HSV	172°, 46%, 64%
XYZ	23.2280, 31.0079, 35.3327
YIQ	140.4350, -41.4900, -19.0100

Conversions

Conversions Part 2

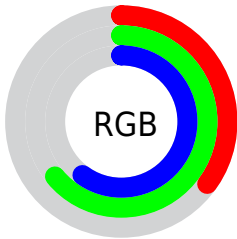
Format	Color
RYB	89, 129, 164
Decimal	5874842
CIELab	62.51, -25.82, -2.07
CIElCh	63, 25.902, 184.577
Yxy	31.0079, 0.2593, 0.3462
Android (android.graphics.Color)	4284064922 (0xFF59A49A)
YUV	140.4350, 6.6875, -45.1085
Hunter-Lab	55.6847, -22.9899, 1.3590

Details

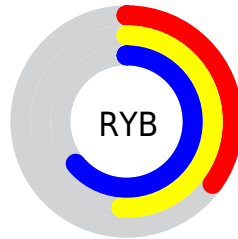
The XYZ color **23.2280, 31.0079, 35.3327** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.1354, 15.9389, 13.7680**, and the grayscale version is **25.0836, 26.3899, 28.7386**.

A 20% lighter version of the original color is **48.0444, 61.0567, 68.9274**, and **8.8380, 12.8747, 14.8512** is the 20% darker color. If you saturate the color by 10%, you get **21.6459, 30.2139, 34.3170**, and if you desaturate by 10%, it is **25.1658, 31.9864, 36.3838**.

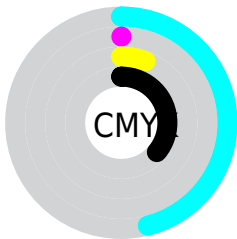
Distribution



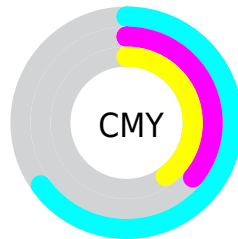
- Red (35%)
- Green (64%)
- Blue (60%)



- Red (35%)
- Yellow (51%)
- Blue (64%)



- Cyan (46%)
- Magenta (0%)
- Yellow (6%)
- Black (36%)



- Cyan (65%)
- Magenta (36%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2280, 31.0079, 35.3327 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 23.2280, 31.0079, 35.3327 by changing the saturation by 10% instead.

■ 23.2280, 31.0079,
35.3327

■ 23.2280, 31.0079,
35.3327

261.4074,
306.5747, 340.9832

■ 14.8836, 20.6049,
23.6337

■ 48.2313, 61.2525,
69.1583

■ 8.8235, 12.8355,
14.8524

■ 65.6210, 81.8629,
92.1219

■ 4.6824, 7.3154,
8.5704

■ 86.7564, 106.6445,
119.6774

■ 2.0950, 3.6601,
4.3691

■ 112.0029,
135.9817, 152.2435

■ 0.6865, 1.4853,
1.8299

141.7259,
170.2589, 190.2385

■ 0.0000, 0.2783,
0.4476

176.2908,

■ 0.0000, 0.0000,

209.8606, 234.0811

0.0000

216.0628,
255.1710, 284.1898

■ 23.2280, 31.0079,
35.3327

■ 23.2280, 31.0079,
35.3327

■ 21.6459, 30.2139,
34.3170

■ 25.1658, 31.9864,
36.3838

■ 20.3932, 29.5886,
33.3332

■ 27.4781, 33.1568,
37.4691

■ 19.4444, 29.1196,
32.3809

■ 30.1854, 34.5305,
38.5904

■ 18.7690, 28.7911,
31.4584

■ 33.3061, 36.1168,
39.7486

■ 18.3265, 28.5824,
30.5637

■ 36.8572, 37.9247,
40.9447

■ 18.1684, 28.5090,
30.1884

■ 40.8551, 39.9625,
42.1795

■ 45.3150, 42.2381,
43.4537

■ 50.2515, 44.7590,
44.7683

■ 55.6787, 47.5324,
46.1237

Harmonies

Analogous

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



23.7729, 31.0079, 26.1070



23.2280, 31.0079, 35.3327



24.2440, 31.0079, 45.9989

Triad

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



23.2280, 31.0079, 35.3327



33.4818, 31.0079, 52.3658



32.4737, 31.0079, 19.1090

Complementary

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



23.2280, 31.0079, 35.3327



21.1354, 15.9389, 13.7680

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.



35.4025, 31.0079, 23.9146



23.2280, 31.0079, 35.3327



36.0162, 31.0079, 42.7846

Square

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



23.2280, 31.0079, 35.3327



30.0154, 31.0079, 57.0004



36.7455, 31.0079, 32.2392



28.9353, 31.0079, 17.8939

Rectangle

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



23.2280, 31.0079, 35.3327



25.7212, 31.0079, 52.1463



36.7455, 31.0079, 32.2392



33.5710, 31.0079, 20.3036

Sweetspot

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



23.2289, 31.0091, 35.3334



55.5731, 63.0741, 70.3496



20.3628, 29.9971, 14.1685



11.9107, 13.6680, 15.2868



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.2289, 31.0091, 35.3334



39.2118, 54.8023, 62.2336



19.8742, 22.9105, 38.4981



7.2353, 7.9949, 8.8508



13.9427, 21.8634, 23.2125



0.3035, 0.4636, 0.5432

Inverse Universe

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



21.1354, 15.9389, 13.7680



34.9388, 23.9354, 18.1372



23.2733, 20.9333, 12.2656



7.1105, 7.1006, 7.5681



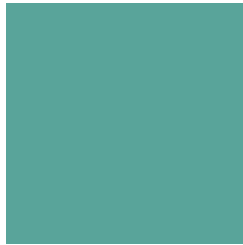
11.8597, 6.0999, 1.1857



0.2597, 0.1324, 0.0802

Previews

White Background



This preview shows how the XYZ color 23.2280, 31.0079, 35.3327 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 23.2280, 31.0079, 35.3327 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

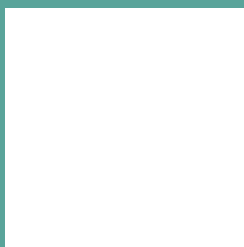
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.2280, 31.0079, 35.3327

Background



This preview shows how black text looks on a background with the XYZ color 23.2280, 31.0079, 35.3327.

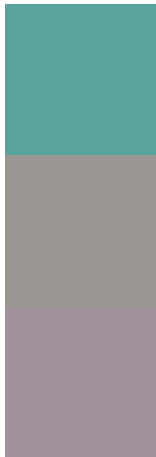


This preview shows how white text looks on a background with the XYZ color 23.2280, 31.0079,

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

23.2280, 31.0079, 35.3327

Protanopia

29.4211, 30.7580, 31.5804

Deuteranopia

31.3507, 30.7078, 36.6226



Tritanopia

25.1042, 30.9786, 44.7007

Trichromacy



Original Color

23.2280, 31.0079, 35.3327

Protanomaly

26.3521, 30.3584, 32.9046

Deuteranomaly

27.4687, 30.3677, 36.3121

Tritanomaly

24.4096, 30.9578, 41.2482

Monochromacy



Original Color

23.2280, 31.0079, 35.3327

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

23.7434, 27.6042, 30.8648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2280, 31.0079, 35.3327 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(89, 164, 154)` looks like.

```
.text, #text, p{  
    color:rgb(89, 164, 154)  
}
```

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(89, 164, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 164, 154) }
```

Border

The CSS property to change the border of an element to XYZ 23.2280, 31.0079, 35.3327 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(89, 164, 154) }
```


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

```
.border{ border-color:rgb(89, 164, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 164, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 164, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 164, 154);  
box-shadow:4px 4px 4px 4px rgb(89, 164,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2280, 31.0079, 35.3327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 164, 154) }
```

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

```
.background{ background-color: rgb(89, 164,  
154) }
```

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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