

Converting Colors

XYZ(28.3776, 39.6228, 58.8960)

Have a look what the booklet for
XYZ(28.3776, 39.6228, 58.8960)
contains.

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Color

**XYZ(28.3301, 39.5064,
58.9557)**

Conversions

Conversions Part 1

Format	Color
Hex	23BAC5
RGB	35, 186, 197
RGB Percent	14%, 73%, 77%
CMY	0.8627, 0.2706, 0.2274
CMYK	0.82, 0.06, 0.00, 0.23
HSL	184°, 70%, 45%
HSV	184°, 82%, 77%
XYZ	28.3301, 39.5064, 58.9557
YIQ	142.1050, -93.5270, -28.5910

Conversions

Conversions Part 2

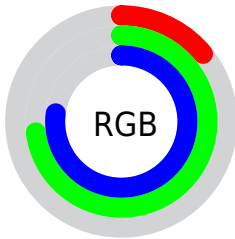
Format	Color
RYB	35, 113, 197
Decimal	2341573
CIELab	69.12, -32.89, -16.26
CIELCh	69, 36.686, 206.308
Yxy	39.5064, 0.2234, 0.3116
Android (android.graphics.Color)	4280531653 (0xFF23BAC5)
YUV	142.1050, 27.0632, -93.9311
Hunter-Lab	62.8541, -29.5398, -11.6148

Details

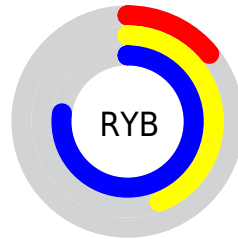
The XYZ color **28.3301, 39.5064, 58.9557** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted azure. A complement of this color would be **24.3074, 13.9470, 3.0022**, and the grayscale version is **25.6777, 27.0150, 29.4193**.

A 20% lighter version of the original color is **56.6221, 74.7017, 105.2005**, and **13.2092, 18.4857, 28.8585** is the 20% darker color. If you saturate the color by 10%, you get **27.5594, 38.6935, 58.8402**, and if you desaturate by 10%, it is **29.4808, 40.5207, 59.0916**.

Distribution



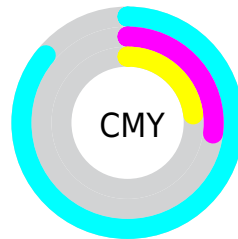
- Red (14%)
- Green (73%)
- Blue (77%)



- Red (14%)
- Yellow (44%)
- Blue (77%)



- Cyan (82%)
- Magenta (6%)
- Yellow (0%)
- Black (23%)



- Cyan (86%)
- Magenta (27%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3301, 39.5064, 58.9557 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 28.3301, 39.5064, 58.9557 by changing the saturation by 10% instead.

■ 28.3301, 39.5064,
58.9557

■ 28.3301, 39.5064,
58.9557

286.0925,
344.0387, 438.4350

■ 18.7164, 27.1539,
42.1577

■ 56.4160, 74.4113,
104.8418

■ 11.5683, 17.6888,
28.8983

■ 75.6189, 97.7325,
134.7669

■ 6.5205, 10.7268,
18.7590

■ 98.7488, 125.4787,
169.9048

■ 3.2078, 5.8835,
11.3212

■ 126.1712,
158.0343, 210.6740

■ 1.2646, 2.7743,
6.1664

■ 158.2515,
195.7837, 257.4931

■ 0.1564, 1.0151,
2.8761

195.3548,

■ 0.0000, 0.0000,

239.1113, 310.7806

1.0317

237.8467,
288.4015, 370.9551

■ 0.0000, 0.0000,
0.0000

■ 28.3301, 39.5064,
58.9557

■ 28.3301, 39.5064,
58.9557

■ 27.5594, 38.6935,
58.8402

■ 29.4808, 40.5207,
59.0916

■ 27.1410, 38.1568,
58.7586

■ 31.0627, 41.7605,
59.2475

■ 33.1230, 43.2507,
59.4266

■ 35.7016, 45.0122,
59.6306

■ 38.8343, 47.0632,
59.8614

■ 42.5539, 49.4208,
60.1204

■ 46.8904, 52.1003,
60.4091

■ 51.8717, 55.1163,
60.7287

■ 57.5243, 58.4823,
61.0805

Harmonies

Analogous

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



27.3931, 39.5064, 40.9715



28.3301, 39.5064, 58.9557



31.6412, 39.5064, 75.8271

Triad

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



28.3301, 39.5064, 58.9557



47.7233, 39.5064, 63.5080



38.2797, 39.5064, 18.1859

Complementary

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



28.3301, 39.5064, 58.9557



24.3074, 13.9470, 3.0022

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.



44.1514, 39.5064, 21.3702



28.3301, 39.5064, 58.9557



49.9496, 39.5064, 45.1269

Square

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



28.3301, 39.5064, 58.9557



42.7664, 39.5064, 78.8993



48.5795, 39.5064, 30.2439



32.7754, 39.5064, 20.0934

Rectangle

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



28.3301, 39.5064, 58.9557



34.9459, 39.5064, 82.5882



48.5795, 39.5064, 30.2439



40.2796, 39.5064, 18.6688

Sweetspot

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



28.3313, 39.5079, 58.9567



73.9934, 87.1181, 107.5234



21.1497, 40.4865, 9.2656



15.3286, 18.3243, 22.9790



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



28.3313, 39.5079, 58.9567



48.6155, 68.3036, 105.2293



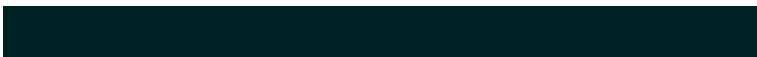
15.8447, 14.5347, 54.7945



10.8827, 11.9395, 13.6485



17.8764, 25.1467, 38.6560



0.8654, 1.2286, 1.8367

Inverse Universe

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



32.4910, 16.6187, 47.9512



56.6796, 27.4801, 83.0974



30.8944, 27.1209, 5.1978



11.0508, 10.8037, 13.2509



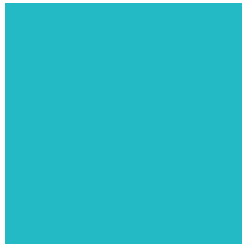
20.8225, 10.0786, 30.6048



0.9955, 0.4811, 1.4996

Previews

White Background



This preview shows how the XYZ color 28.3301, 39.5064, 58.9557 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 28.3301, 39.5064, 58.9557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

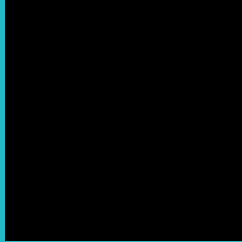
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

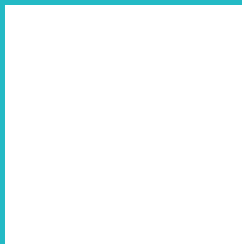
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.3301, 39.5064, 58.9557

Background



This preview shows how black text looks on a background with the XYZ color 28.3301, 39.5064, 58.9557.



This preview shows how white text looks on a background with the XYZ color 28.3301, 39.5064,

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

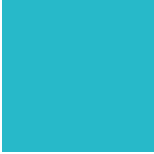
28.3301, 39.5064, 58.9557

Protanopia

37.8050, 38.7325, 50.8310

Deuteranopia

39.8725, 39.0307, 61.3093



Tritanopia

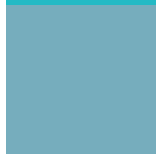
28.7283, 39.3463, 61.3388

Trichromacy



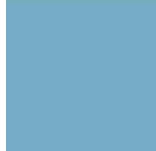
Original Color

28.3301, 39.5064, 58.9557



Protanomaly

31.6001, 37.4128, 53.7000



Deuteranomaly

32.7856, 37.5971, 60.1726



Tritanomaly

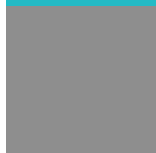
28.5736, 39.2801, 60.7194

Monochromacy



Original Color

28.3301, 39.5064, 58.9557



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

24.3420, 29.9459, 38.6796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3301, 39.5064, 58.9557 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(35, 186, 197)` looks like.

```
.text, #text, p{  
    color:rgb(35, 186, 197)  
}
```

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(35, 186, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 186, 197) }
```

Border

The CSS property to change the border of an element to XYZ 28.3301, 39.5064, 58.9557 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(35, 186, 197) }
```


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

```
.border{ border-color:rgb(35, 186, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 186, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 186, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 186, 197);  
box-shadow:4px 4px 4px 4px rgb(35, 186,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3301, 39.5064, 58.9557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 186, 197) }
```

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

```
.background{ background-color: rgb(35, 186,  
197) }
```

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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