

Converting Colors

XYZ(23.3843, 29.8994, 56.1784)

Have a look what the booklet for
XYZ(23.3843, 29.8994, 56.1784)
contains.

XYZ(23.3581, 29.8232, 56.1551)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.3581, 29.8232,
56.1551)**

Conversions

Conversions Part 1

Format	Color
Hex	25A1C3
RGB	37, 161, 195
RGB Percent	15%, 63%, 76%
CMY	0.8549, 0.3686, 0.2353
CMYK	0.81, 0.17, 0.00, 0.24
HSL	193°, 68%, 45%
HSV	193°, 81%, 76%
XYZ	23.3581, 29.8232, 56.1551
YIQ	127.8000, -84.8180, -15.7140

Conversions

Conversions Part 2

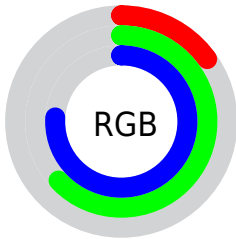
Format	Color
R _Y B	37, 106, 195
Decimal	2466243
CIE Lab	61.50, -20.87, -26.77
CIE LCh	62, 33.941, 232.054
Yxy	29.8232, 0.2136, 0.2728
Android (android.graphics.Color)	4280656323 (0xFF25A1C3)
YUV	127.8000, 33.1296, -79.6316
Hunter-Lab	54.6106, -19.2204, -22.7394

Details

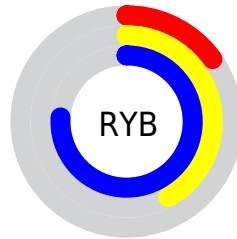
The XYZ color **23.3581, 29.8232, 56.1551** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **25.0940, 16.2438, 3.5640**, and the grayscale version is **20.3602, 21.4205, 23.3269**.

A 20% lighter version of the original color is **48.5570, 59.4550, 101.0122**, and **10.2764, 12.8604, 27.1400** is the 20% darker color. If you saturate the color by 10%, you get **22.1150, 28.1124, 55.8910**, and if you desaturate by 10%, it is **25.0011, 31.7778, 56.4464**.

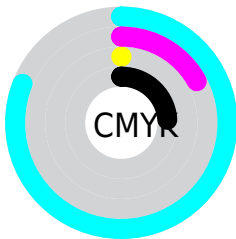
Distribution



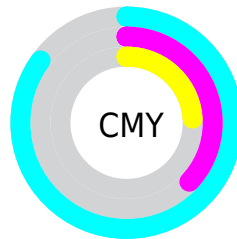
- Red (15%)
- Green (63%)
- Blue (76%)



- Red (15%)
- Yellow (42%)
- Blue (76%)



- Cyan (81%)
- Magenta (17%)
- Yellow (0%)
- Black (24%)



- Cyan (85%)
- Magenta (37%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3581, 29.8232, 56.1551 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 23.3581, 29.8232, 56.1551 by changing the saturation by 10% instead.

■ 23.3581, 29.8232,
56.1551

■ 23.3581, 29.8232,
56.1551

262.0601,
301.0795, 427.6805

■ 14.9803, 19.7044,
39.9225

■ 48.4430, 59.3825,
100.7194

■ 8.8918, 12.1804,
27.1648

■ 65.8808, 79.5918,
129.8881

■ 4.7272, 6.8666,
17.4635

■ 87.0693, 103.9333,
164.2059

■ 2.1212, 3.3788,
10.4000

■ 112.3739,
132.7916, 204.0914

■ 0.7007, 1.3326,
5.5559

■ 142.1599,
166.5510, 249.9630

■ 0.0000, 0.1662,
2.5126

176.7927,

■ 0.0000, 0.0000,

205.5958, 302.2394

0.8468

216.6377,
250.3105, 361.3390

■ 0.0000, 0.0000,
0.0000

■ 23.3581, 29.8232,
56.1551

■ 23.3581, 29.8232,
56.1551

■ 22.1150, 28.1124,
55.8910

■ 25.0011, 31.7778,
56.4464

■ 21.2478, 26.7349,
55.6708

■ 27.0935, 34.0003,
56.7651

■ 29.6804, 36.5151,
57.1141

■ 32.8005, 39.3423,
57.4954

■ 36.4886, 42.5001,
57.9105

■ 40.7763, 46.0054,
58.3611

■ 45.6929, 49.8734,
58.8486

■ 51.2657, 54.1186,
59.3743

■ 57.5205, 58.7545,
59.9394

Harmonies

Analogous

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



21.0686, 29.8232, 42.6775



23.3581, 29.8232, 56.1551



27.1683, 29.8232, 63.6614

Triad

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



23.3581, 29.8232, 56.1551



37.7931, 29.8232, 36.0148



25.2241, 29.8232, 14.5138

Complementary

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



23.3581, 29.8232, 56.1551



25.0940, 16.2438, 3.5640

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.



29.5574, 29.8232, 13.6136



23.3581, 29.8232, 56.1551



37.1317, 29.8232, 24.0394

Square

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



23.3581, 29.8232, 56.1551



35.7200, 29.8232, 50.1888



33.9979, 29.8232, 16.6069



22.0640, 29.8232, 19.5093

Rectangle

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



23.3581, 29.8232, 56.1551



30.1889, 29.8232, 63.1802



33.9979, 29.8232, 16.6069



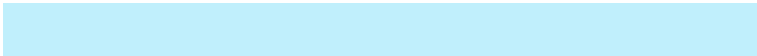
26.5798, 29.8232, 13.7869

Sweetspot

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



23.3591, 29.8243, 56.1558



70.3326, 80.2196, 104.2468



21.3408, 39.8490, 12.1338



14.7928, 17.0688, 22.7649



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.



23.3591, 29.8243, 56.1558



38.3341, 48.3001, 99.7722



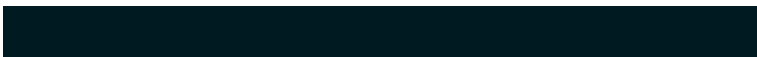
13.8160, 10.7380, 52.9748



10.1787, 11.0486, 12.8810



13.8731, 17.5027, 36.2038



0.6464, 0.8502, 1.5799

Inverse Universe

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



29.6011, 15.4994, 35.1508



50.7868, 25.1026, 56.6610



33.3680, 32.7918, 6.3221



10.4015, 10.2092, 12.2047



18.3985, 9.0491, 20.5422



0.8186, 0.4005, 1.0124

Previews

White Background



This preview shows how the XYZ color 23.3581, 29.8232, 56.1551 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3581, 29.8232, 56.1551 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 × Fail

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

XYZ 23.3581, 29.8232, 56.1551

Background



This preview shows how black text looks on a background with the XYZ color 23.3581, 29.8232, 56.1551.

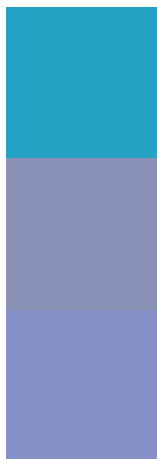


This preview shows how white text looks on a background with the XYZ color 23.3581, 29.8232,

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

23.3581, 29.8232, 56.1551

Protanopia

29.4118, 29.4217, 49.4762

Deuteranopia

30.1071, 29.3609, 58.1132



Tritanopia

21.2113, 29.7252, 46.2146

Trichromacy



Original Color

23.3581, 29.8232, 56.1551

Protanomaly

25.5105, 28.5308, 51.7394

Deuteranomaly

26.2967, 28.8071, 57.6004

Tritanomaly

21.9149, 29.7406, 49.9329

Monochromacy



Original Color

23.3581, 29.8232, 56.1551

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.7649, 23.4561, 33.1915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3581, 29.8232, 56.1551 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(37, 161, 195)` looks like.

```
.text, #text, p{  
    color:rgb(37, 161, 195)  
}
```

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(37, 161, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 161, 195) }
```

Border

The CSS property to change the border of an element to XYZ 23.3581, 29.8232, 56.1551 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(37, 161, 195) }
```


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

```
.border{ border-color:rgb(37, 161, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 161, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 161, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 161, 195);  
box-shadow:4px 4px 4px 4px rgb(37, 161,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3581, 29.8232, 56.1551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 161, 195) }
```

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

```
.background{ background-color: rgb(37, 161,  
195) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor