

Converting Colors

XYZ(23.3175, 30.2594, 58.1465)

Have a look what the booklet for
XYZ(23.3175, 30.2594, 58.1465)
contains.

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Color

**XYZ(23.3153, 30.2845,
58.0427)**

Conversions

Conversions Part 1

Format	Color
Hex	02A3C6
RGB	2, 163, 198
RGB Percent	1%, 64%, 78%
CMY	0.9920, 0.3608, 0.2235
CMYK	0.99, 0.18, 0.00, 0.22
HSL	191°, 98%, 39%
HSV	191°, 99%, 78%
XYZ	23.3153, 30.2845, 58.0427
YIQ	118.8510, -107.1910, -23.2470

Conversions

Conversions Part 2

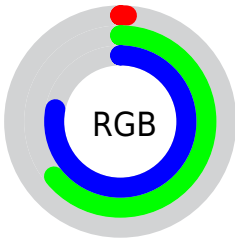
Format	Color
RYB	2, 90, 198
Decimal	172998
CIELab	61.90, -22.78, -27.86
CIELCh	62, 35.983, 230.731
Yxy	30.2845, 0.2088, 0.2713
Android (android.graphics.Color)	4278363078 (0xFF02A3C6)
YUV	118.8510, 39.0205, -102.4783
Hunter-Lab	55.0314, -20.6792, -24.0124

Details

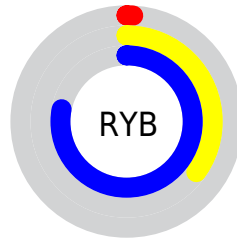
The XYZ color **23.3153, 30.2845, 58.0427** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **23.9632, 13.3364, 1.3700**, and the grayscale version is **17.3972, 18.3032, 19.9322**.

A 20% lighter version of the original color is **48.3769, 60.0721, 103.6531**, and **10.7185, 13.3825, 28.4037** is the 20% darker color. If you saturate the color by 10%, you get **23.2259, 30.1427, 58.0206**, and if you desaturate by 10%, it is **24.2550, 31.7147, 58.2698**.

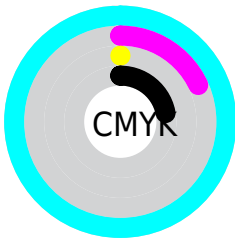
Distribution



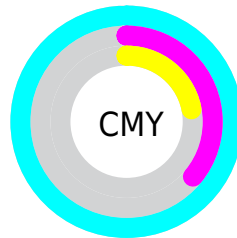
- Red (1%)
- Green (64%)
- Blue (78%)



- Red (1%)
- Yellow (35%)
- Blue (78%)



- Cyan (99%)
- Magenta (18%)
- Yellow (0%)
- Black (22%)



- Cyan (99%)
- Magenta (36%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3153, 30.2845, 58.0427 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 23.3153, 30.2845, 58.0427 by changing the saturation by 10% instead.

■ 23.3153, 30.2845,
58.0427

■ 23.3153, 30.2845,
58.0427

261.8455,
303.2283, 434.9477

■ 14.9485, 20.0546,
41.4280

■ 48.3734, 60.1118,
103.5004

■ 8.8693, 12.4348,
28.3315

■ 65.7954, 80.4780,
133.1806

■ 4.7125, 7.0405,
18.3345

■ 86.9664, 104.9918,
168.0530

■ 2.1126, 3.4874,
11.0185

■ 112.2519,
134.0376, 208.5362

■ 0.6960, 1.3912,
5.9649

■ 142.0172,
167.9998, 255.0487

■ 0.0000, 0.2102,
2.7553

176.6277,

■ 0.0000, 0.0000,

207.2627, 308.0091

0.9711

216.4487,
252.2107, 367.8360

■ 0.0000, 0.0000,
0.0000

■ 23.3153, 30.2845,
58.0427

■ 23.3153, 30.2845,
58.0427

■ 23.2259, 30.1427,
58.0206

■ 24.2550, 31.7147,
58.2698

■ 25.5224, 33.3396,
58.5167

■ 27.2064, 35.2058,
58.7881

■ 29.3591, 37.3403,
59.0867

■ 32.0251, 39.7662,
59.4144

■ 35.2434, 42.5040,
59.7732

■ 39.0493, 45.5719,
60.1648

■ 43.4750, 48.9869,
60.5907

■ 48.5504, 52.7645,
61.0523

Harmonies

Analogous

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



20.9680, 30.2845, 43.2739



23.3153, 30.2845, 58.0427



27.3195, 30.2845, 66.6575

Triad

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



23.3153, 30.2845, 58.0427



38.9178, 30.2845, 37.4306



25.6315, 30.2845, 13.8796

Complementary

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



23.3153, 30.2845, 58.0427



23.9632, 13.3364, 1.3700

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.



30.3010, 30.2845, 13.1244



23.3153, 30.2845, 58.0427



38.3359, 30.2845, 24.4548

Square

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



23.3153, 30.2845, 58.0427



36.5597, 30.2845, 52.7559



35.0484, 30.2845, 16.4181



22.1981, 30.2845, 18.8831

Rectangle

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



23.3153, 30.2845, 58.0427



30.5421, 30.2845, 66.4701



35.0484, 30.2845, 16.4181



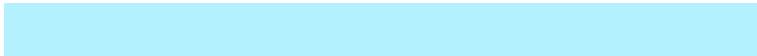
27.0956, 30.2845, 13.1880

Sweetspot

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



23.3163, 30.2856, 58.0435



68.0800, 79.8542, 106.4329



20.5190, 40.5214, 8.3073



13.9412, 16.5870, 22.7168



0.0000, 0.0000, 0.0000



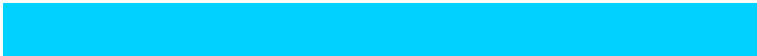
20.3446, 21.4041, 23.3091

Same Dimension

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



23.3163, 30.2856, 58.0435



40.9622, 53.0445, 102.6874



12.2477, 8.1483, 54.3539



10.7794, 11.7328, 13.6140



15.1610, 19.7159, 37.7508



0.7612, 1.0202, 1.8019

Inverse Universe

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



29.9222, 14.6948, 35.9106



52.8050, 25.8860, 62.8307



31.6444, 28.6988, 3.9304



10.9987, 10.7829, 12.9763



19.4519, 9.5303, 23.3873



0.9429, 0.4600, 1.2226

Previews

White Background



This preview shows how the XYZ color 23.3153, 30.2845, 58.0427 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 23.3153, 30.2845, 58.0427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

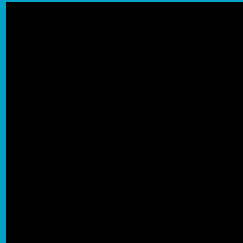
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.3153, 30.2845, 58.0427

Background



This preview shows how black text looks on a background with the XYZ color 23.3153, 30.2845, 58.0427.

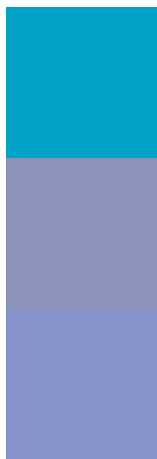


This preview shows how white text looks on a background with the XYZ color 23.3153, 30.2845,

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

23.3153, 30.2845, 58.0427

Protanopia

29.9441, 29.9016, 50.6477

Deuteranopia

30.7673, 30.1183, 60.0689



Tritanopia

21.4910, 30.1246, 46.8014

Trichromacy



Original Color

23.3153, 30.2845, 58.0427

Protanomaly

24.8053, 28.6240, 52.9328

Deuteranomaly

25.6802, 28.9308, 59.4891

Tritanomaly

22.0449, 30.0602, 50.5392

Monochromacy



Original Color

23.3153, 30.2845, 58.0427

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.9898, 21.0026, 31.1754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3153, 30.2845, 58.0427 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(2, 163, 198)` looks like.

```
.text, #text, p{  
    color:rgb(2, 163, 198)  
}
```

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(2, 163, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 163, 198) }
```

Border

The CSS property to change the border of an element to XYZ 23.3153, 30.2845, 58.0427 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(2, 163, 198) }
```


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

```
.border{ border-color:rgb(2, 163, 198) }
```

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

Here you see how a box with a 4 pixel rgb(2, 163, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 163, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 163, 198);  
box-shadow:4px 4px 4px 4px rgb(2, 163,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3153, 30.2845, 58.0427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 163, 198) }
```

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

```
.background{ background-color: rgb(2, 163,  
198) }
```

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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