

Converting Colors

XYZ(23.7851, 31.3904, 57.0587)

Have a look what the booklet for
XYZ(23.7851, 31.3904, 57.0587)
contains.

XYZ(23.7516, 31.3361, 57.0212)	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(23.7516, 31.3361,
57.0212)**

Conversions

Conversions Part 1

Format	Color
Hex	0CA6C4
RGB	12, 166, 196
RGB Percent	5%, 65%, 77%
CMY	0.9528, 0.3490, 0.2314
CMYK	0.94, 0.15, 0.00, 0.23
HSL	190°, 88%, 41%
HSV	190°, 94%, 77%
XYZ	23.7516, 31.3361, 57.0212
YIQ	123.3740, -101.4140, -23.3180

Conversions

Conversions Part 2

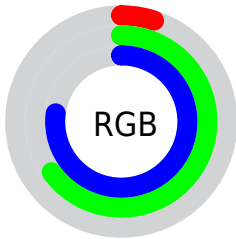
Format	Color
RYB	12, 96, 196
Decimal	829124
CIELab	62.79, -24.68, -25.36
CIELCh	63, 35.388, 225.785
Yxy	31.3361, 0.2119, 0.2795
Android (android.graphics.Color)	4279019204 (0xFF0CA6C4)
YUV	123.3740, 35.8046, -97.6750
Hunter-Lab	55.9787, -22.2256, -21.2092

Details

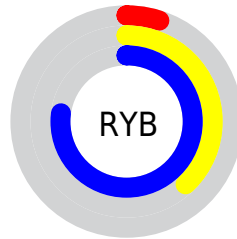
The XYZ color **23.7516, 31.3361, 57.0212** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **23.6609, 13.4208, 1.6923**, and the grayscale version is **18.8633, 19.8457, 21.6120**.

A 20% lighter version of the original color is **49.0656, 61.6295, 102.2382**, and **10.8998, 13.9876, 27.7166** is the 20% darker color. If you saturate the color by 10%, you get **23.2465, 30.5507, 56.8968**, and if you desaturate by 10%, it is **24.7732, 32.7366, 57.2383**.

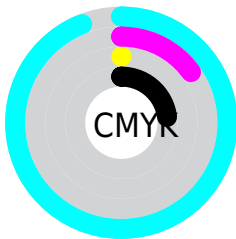
Distribution



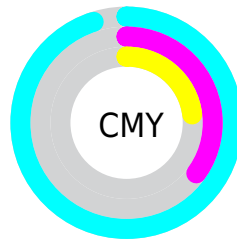
- Red (5%)
- Green (65%)
- Blue (77%)



- Red (5%)
- Yellow (38%)
- Blue (77%)



- Cyan (94%)
- Magenta (15%)
- Yellow (0%)
- Black (23%)



- Cyan (95%)
- Magenta (35%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7516, 31.3361, 57.0212 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 23.7516, 31.3361, 57.0212 by changing the saturation by 10% instead.

■ 23.7516, 31.3361,
57.0212

■ 23.7516, 31.3361,
57.0212

264.0261,
308.0837, 431.0247

■ 15.2732, 20.8549,
40.6128

■ 49.0822, 61.7688,
101.9968

■ 9.0989, 13.0180,
27.6992

■ 66.6651, 82.4892,
131.4010

■ 4.8634, 7.4409,
17.8620

■ 88.0135, 107.3914,
165.9742

■ 2.2013, 3.7394,
10.6825

■ 113.4928,
136.8598, 206.1351

■ 0.7434, 1.5289,
5.7423

■ 143.4683,
171.2789, 252.3020

■ 0.0000, 0.3089,
2.6228

178.3055,

■ 0.0000, 0.0000,

211.0329, 304.8935

0.9042

218.3696,
256.5064, 364.3283

■ 0.0000, 0.0000,
0.0000

■ 23.7516, 31.3361,
57.0212

■ 23.7516, 31.3361,
57.0212

■ 23.2465, 30.5507,
56.8968

■ 24.7732, 32.7366,
57.2383

■ 26.1687, 34.3509,
57.4763

■ 27.9955, 36.2093,
57.7388

■ 30.3002, 38.3358,
58.0278

■ 33.1231, 40.7517,
58.3453

■ 36.5004, 43.4754,
58.6930

■ 40.4647, 46.5242,
59.0725

■ 45.0464, 49.9136,
59.4853

■ 50.2733, 53.6583,
59.9326

Harmonies

Analogous

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



21.6929, 31.3361, 41.8992



23.7516, 31.3361, 57.0212



27.5556, 31.3361, 67.0447

Triad

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



23.7516, 31.3361, 57.0212



39.7518, 31.3361, 41.0955



27.3225, 31.3361, 14.3552

Complementary

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



23.7516, 31.3361, 57.0212



23.6609, 13.4208, 1.6923

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.



32.1294, 31.3361, 14.2493



23.7516, 31.3361, 57.0212



39.6719, 31.3361, 27.3682

Square

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



23.7516, 31.3361, 57.0212



36.9679, 31.3361, 56.2971



36.7600, 31.3361, 18.3546



23.5969, 31.3361, 18.6983

Rectangle

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



23.7516, 31.3361, 57.0212



30.7323, 31.3361, 68.1183



36.7600, 31.3361, 18.3546



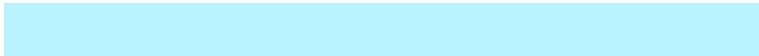
28.8554, 31.3361, 13.8724

Sweetspot

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



23.7526, 31.3372, 57.0220



69.8790, 81.6761, 106.6898



20.2690, 39.7094, 8.5710



14.3015, 16.9740, 22.7725



0.0000, 0.0000, 0.0000



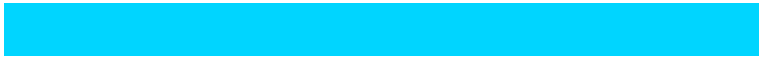
20.3446, 21.4041, 23.3091

Same Dimension

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



23.7526, 31.3372, 57.0220



41.9495, 55.0190, 103.0165



12.7297, 9.2913, 53.3477



10.2242, 11.1397, 12.8961



14.9901, 19.7367, 36.5761



0.6858, 0.9291, 1.5931

Inverse Universe

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



29.7802, 14.7529, 37.3554



53.3034, 26.0854, 65.4549



31.0306, 28.1602, 4.1489



10.4245, 10.2184, 12.3258



18.9623, 9.2747, 23.5112



0.8386, 0.4084, 1.1173

Previews

White Background



This preview shows how the XYZ color 23.7516, 31.3361, 57.0212 looks on a white background.

Color Contrast Check

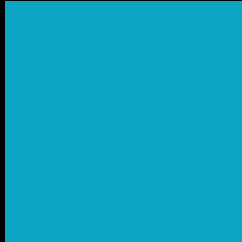
Large Text (above 18pt) WCAG AA × Fail

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 23.7516, 31.3361, 57.0212 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

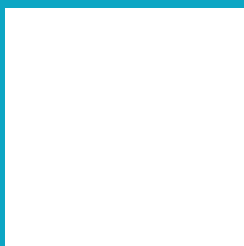
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.7516, 31.3361, 57.0212

Background



This preview shows how black text looks on a background with the XYZ color 23.7516, 31.3361, 57.0212.

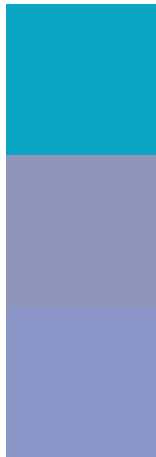


This preview shows how white text looks on a background with the XYZ color 23.7516, 31.3361,

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

23.7516, 31.3361, 57.0212

Protanopia

30.7269, 30.7952, 49.6720

Deuteranopia

31.8202, 31.1540, 58.9798



Tritanopia

22.3431, 31.3415, 48.5880

Trichromacy



Original Color

23.7516, 31.3361, 57.0212

Protanomaly

25.5178, 29.5064, 51.9273

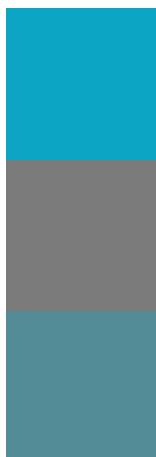
Deuteranomaly

26.5443, 29.8934, 58.4038

Tritanomaly

22.7317, 31.2084, 51.2801

Monochromacy



Original Color

23.7516, 31.3361, 57.0212

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.3049, 22.5062, 32.2335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7516, 31.3361, 57.0212 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(12, 166, 196)` looks like.

```
.text, #text, p{  
    color:rgb(12, 166, 196)  
}
```

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(12, 166, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 166, 196) }
```

Border

The CSS property to change the border of an element to XYZ 23.7516, 31.3361, 57.0212 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(12, 166, 196) }
```


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

```
.border{ border-color:rgb(12, 166, 196) }
```

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

Here you see how a box with a 4 pixel rgb(12, 166, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 166, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 166, 196);  
box-shadow:4px 4px 4px 4px rgb(12, 166,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7516, 31.3361, 57.0212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 166, 196) }
```

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

```
.background{ background-color: rgb(12, 166,  
196) }
```

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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