

Converting Colors

XYZ(15.7147, 23.9454, 20.9472)

Have a look what the booklet for
XYZ(15.7147, 23.9454, 20.9472)
contains.

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Color

**XYZ(15.6977, 23.9050,
20.9263)**

Conversions

Conversions Part 1

Format	Color
Hex	369676
RGB	54, 150, 118
RGB Percent	21%, 59%, 46%
CMY	0.7882, 0.4118, 0.5372
CMYK	0.64, 0.00, 0.21, 0.41
HSL	160°, 47%, 40%
HSV	160°, 64%, 59%
XYZ	15.6977, 23.9050, 20.9263
YIQ	117.6480, -46.9440, -30.3040

Conversions

Conversions Part 2

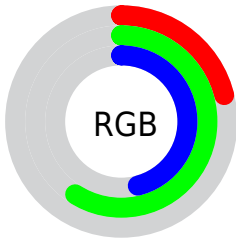
Format	Color
RYB	54, 112, 150
Decimal	3577462
CIELab	55.99, -35.99, 8.71
CIElCh	56, 37.024, 166.398
Yxy	23.9050, 0.2593, 0.3949
Android (android.graphics.Color)	4281767542 (0xFF369676)
YUV	117.6480, 0.1735, -55.8193
Hunter-Lab	48.8927, -28.2524, 8.8485

Details

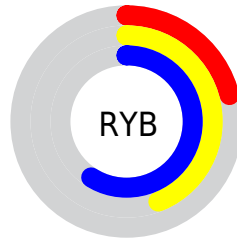
The XYZ color **15.6977, 23.9050, 20.9263** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **15.5774, 9.7949, 9.8746**, and the grayscale version is **17.1205, 18.0121, 19.6152**.

A 20% lighter version of the original color is **35.6426, 49.9444, 45.7919**, and **5.4732, 9.1776, 7.2773** is the 20% darker color. If you saturate the color by 10%, you get **14.7243, 23.4372, 19.3708**, and if you desaturate by 10%, it is **16.9365, 24.5090, 22.5775**.

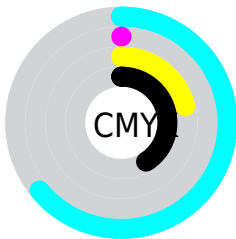
Distribution



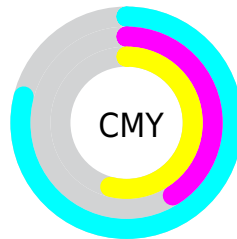
- Red (21%)
- Green (59%)
- Blue (46%)



- Red (21%)
- Yellow (44%)
- Blue (59%)



- Cyan (64%)
- Magenta (0%)
- Yellow (21%)
- Black (41%)



- Cyan (79%)
- Magenta (41%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6977, 23.9050, 20.9263 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 15.6977, 23.9050, 20.9263 by changing the saturation by 10% instead.

■ 15.6977, 23.9050,
20.9263

■ 15.6977, 23.9050,
20.9263

220.8569,
272.3398, 269.6547

■ 9.4000, 15.2632,
12.8794

■ 35.6343, 49.8751,
45.8440

■ 5.0622, 9.0043,
7.2158

■ 50.0039, 67.9722,
63.5520

■ 2.3189, 4.7440,
3.5169

■ 67.7948, 89.9898,
85.3174

■ 0.8043, 2.0978,
1.3643

■ 89.3724, 116.3124,
111.5587

■ 0.0000, 0.6634,
0.1136

■ 115.1021,
147.3243, 142.6946

■ 0.0000, 0.0000,
0.0000

145.3491,

183.4099, 179.1435

180.4789,
224.9536, 221.3241

■ 15.6977, 23.9050,
20.9263

■ 15.6977, 23.9050,
20.9263

■ 14.7243, 23.4372,
19.3708

■ 16.9365, 24.5090,
22.5775

■ 13.9903, 23.0905,
17.9071

■ 18.4597, 25.2571,
24.3249

■ 13.4677, 22.8509,
16.5329

■ 20.2866, 26.1599,
26.1713

■ 13.2070, 22.7336,
15.7484

■ 22.4344, 27.2263,
28.1185

■ 24.9189, 28.4643,
30.1686

■ 27.7548, 29.8815,
32.3232

■ 30.9559, 31.4850,
34.5842

■ 34.5354, 33.2816,
36.9533

■ 38.5057, 35.2776,
39.4321

Harmonies

Analogous

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



17.3259, 23.9050, 13.0435



15.6977, 23.9050, 20.9263



15.7781, 23.9050, 33.1731

Triad

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



15.6977, 23.9050, 20.9263



25.0951, 23.9050, 55.3755



28.8037, 23.9050, 12.5430

Complementary

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



15.6977, 23.9050, 20.9263



15.5774, 9.7949, 9.8746

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.



31.4498, 23.9050, 19.9913



15.6977, 23.9050, 20.9263



29.1337, 23.9050, 45.6217

Square

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



15.6977, 23.9050, 20.9263



20.8616, 23.9050, 55.8636



31.5776, 23.9050, 31.8991



24.6877, 23.9050, 9.3194

Rectangle

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



15.6977, 23.9050, 20.9263



16.7835, 23.9050, 42.4398



31.5776, 23.9050, 31.8991



29.9158, 23.9050, 14.5096

Sweetspot

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



15.6984, 23.9059, 20.9269



41.5422, 49.0183, 51.2712



15.5597, 24.1353, 7.3289



8.9599, 10.7404, 11.1560



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.6984, 23.9059, 20.9269



25.3491, 41.0582, 32.9968



15.7750, 20.4831, 31.9775



5.8827, 6.5297, 6.9935



10.9684, 18.8602, 13.1412



0.1480, 0.2363, 0.2331

Inverse Universe

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



15.5774, 9.7949, 9.8746



25.1538, 14.1012, 12.0608



15.3357, 10.9338, 4.7926



5.8758, 5.8454, 6.4521



10.9229, 5.5742, 3.0749



0.1463, 0.0733, 0.1041

Previews

White Background



This preview shows how the XYZ color 15.6977, 23.9050, 20.9263 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 15.6977, 23.9050, 20.9263 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 15.6977, 23.9050, 20.9263

Background



This preview shows how black text looks on a background with the XYZ color 15.6977, 23.9050, 20.9263.



This preview shows how white text looks on a background with the XYZ color 15.6977, 23.9050,

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

15.6977, 23.9050, 20.9263

Protanopia

22.1865, 23.5636, 18.1307

Deuteranopia

24.0031, 23.6146, 22.0319



Tritanopia

18.6654, 23.9503, 35.5374

Trichromacy



Original Color

15.6977, 23.9050, 20.9263

Protanomaly

18.5199, 22.9087, 19.0685

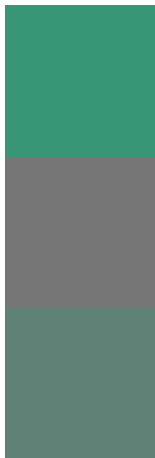
Deuteranomaly

19.4671, 22.9166, 21.4865

Tritanomaly

17.5060, 23.9406, 29.6849

Monochromacy



Original Color

15.6977, 23.9050, 20.9263

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

15.9720, 19.7062, 20.1014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6977, 23.9050, 20.9263 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(54, 150, 118)` looks like.

```
.text, #text, p{  
    color:rgb(54, 150, 118)  
}
```

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(54, 150, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 150, 118) }
```

Border

The CSS property to change the border of an element to XYZ 15.6977, 23.9050, 20.9263 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(54, 150, 118) }
```


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

```
.border{ border-color:rgb(54, 150, 118) }
```

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

Here you see how a box with a 4 pixel rgb(54, 150, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 150, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 150, 118);  
box-shadow:4px 4px 4px 4px rgb(54, 150,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6977, 23.9050, 20.9263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 150, 118) }
```

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

```
.background{ background-color: rgb(54, 150,  
118) }
```

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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