

Converting Colors

XYZ(18.4911, 23.8031, 39.5122)

Have a look what the booklet for
XYZ(18.4911, 23.8031, 39.5122)
contains.

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Color

**XYZ(18.5297, 23.7882,
39.6914)**

Conversions

Conversions Part 1

Format	Color
Hex	3691A6
RGB	54, 145, 166
RGB Percent	21%, 57%, 65%
CMY	0.7882, 0.4314, 0.3490
CMYK	0.67, 0.13, 0.00, 0.35
HSL	191°, 51%, 43%
HSV	191°, 67%, 65%
XYZ	18.5297, 23.7882, 39.6914
YIQ	120.1850, -60.9770, -12.7610

Conversions

Conversions Part 2

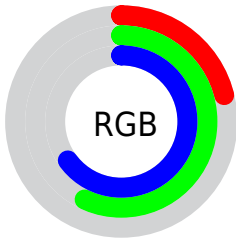
Format	Color
R_{YB}	54, 104, 166
Decimal	3576230
CIE _{Lab}	55.88, -19.89, -18.95
CIE _{LCh}	56, 27.467, 223.617
Yxy	23.7882, 0.2259, 0.2901
Android (android.graphics.Color)	4281766310 (0xFF3691A6)
YUV	120.1850, 22.5868, -58.0442
Hunter-Lab	48.7731, -17.5380, -14.1088

Details

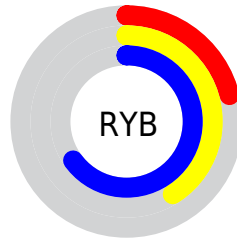
The XYZ color **18.5297, 23.7882, 39.6914** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.9087, 13.4067, 5.0822**, and the grayscale version is **17.8567, 18.7867, 20.4587**.

A 20% lighter version of the original color is **40.4140, 49.6447, 75.8590**, and **7.0400, 9.2203, 17.3282** is the 20% darker color. If you saturate the color by 10%, you get **17.3172, 22.4672, 39.5008**, and if you desaturate by 10%, it is **20.0608, 25.2938, 39.9018**.

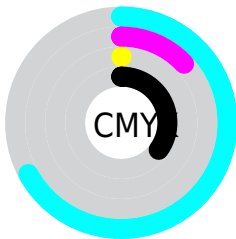
Distribution



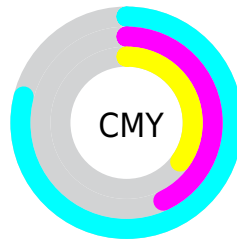
- Red (21%)
- Green (57%)
- Blue (65%)



- Red (21%)
- Yellow (41%)
- Blue (65%)



- Cyan (67%)
- Magenta (13%)
- Yellow (0%)
- Black (35%)



- Cyan (79%)
- Magenta (43%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5297, 23.7882, 39.6914 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 18.5297, 23.7882, 39.6914 by changing the saturation by 10% instead.

■ 18.5297, 23.7882,
39.6914

■ 18.5297, 23.7882,
39.6914

236.8283,
271.7479, 360.3345

■ 11.4329, 15.1766,
26.9861

■ 40.4609, 49.6844,
75.9253

■ 6.4283, 8.9434,
17.3304

■ 56.0261, 67.7377,
100.2909

■ 3.1503, 4.7043,
10.3059

■ 75.1448, 89.7070,
129.3804

■ 1.2337, 2.0748,
5.4940

■ 98.1823, 115.9768,
163.6123

■ 0.1328, 0.6504,
2.4762

■ 125.5041,
146.9314, 203.4051

■ 0.0000, 0.0000,
0.8275

157.4754,

■ 0.0000, 0.0000,

182.9552, 249.1774

0.0000

194.4617,
224.4325, 301.3477

■ 18.5297, 23.7882,
39.6914

■ 18.5297, 23.7882,
39.6914

■ 17.3172, 22.4672,
39.5008

■ 20.0608, 25.2938,
39.9018

■ 16.3885, 21.3112,
39.3266

■ 21.9362, 26.9959,
40.1314

■ 15.6926, 20.2942,
39.1670

■ 24.1815, 28.9083,
40.3822

■ 15.5296, 20.0463,
39.1277

■ 26.8192, 31.0428,
40.6552

■ 29.8699, 33.4102,
40.9514

■ 33.3529, 36.0205,
41.2717

■ 37.2860, 38.8831,
41.6169

■ 41.6863, 42.0069,
41.9879

■ 46.5696, 45.4002,
42.3855

Harmonies

Analogous

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



17.2544, 23.7882, 30.1714



18.5297, 23.7882, 39.6914



20.9558, 23.7882, 46.1876

Triad

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



18.5297, 23.7882, 39.6914



28.8842, 23.7882, 31.0692



21.2235, 23.7882, 12.5095

Complementary

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



18.5297, 23.7882, 39.6914



18.9087, 13.4067, 5.0822

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.



24.3490, 23.7882, 12.6424



18.5297, 23.7882, 39.6914



28.9727, 23.7882, 22.0544

Square

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



18.5297, 23.7882, 39.6914



27.0173, 23.7882, 40.4779



27.2491, 23.7882, 15.7444



18.7100, 23.7882, 15.3263

Rectangle

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



18.5297, 23.7882, 39.6914



22.9915, 23.7882, 47.1724



27.2491, 23.7882, 15.7444



22.2327, 23.7882, 12.2346

Sweetspot

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



18.5305, 23.7891, 39.6920



52.5218, 59.3422, 74.1613



16.4125, 28.5590, 11.2218



11.4149, 13.0177, 16.5632



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



18.5305, 23.7891, 39.6920



30.5189, 39.6825, 71.5262



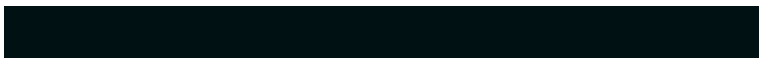
12.0166, 10.7614, 37.5207



7.6262, 8.2894, 9.6164



12.0741, 15.6084, 30.3518



0.3238, 0.4398, 0.7485

Inverse Universe

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



22.1566, 12.7906, 28.0899



37.9742, 19.7655, 47.0679



24.4463, 24.4819, 6.9280



7.7807, 7.6421, 9.1623



15.5950, 7.6467, 18.4769



0.3946, 0.1921, 0.5293

Previews

White Background



This preview shows how the XYZ color 18.5297, 23.7882, 39.6914 looks on a white background.

Color Contrast Check

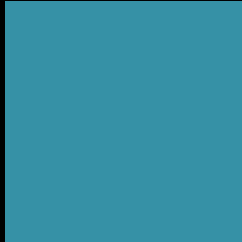
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5297, 23.7882, 39.6914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

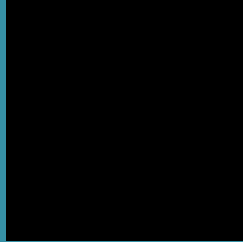
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.5297, 23.7882, 39.6914

Background



This preview shows how black text looks on a background with the XYZ color 18.5297, 23.7882, 39.6914.



This preview shows how white text looks on a background with the XYZ color 18.5297, 23.7882,

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

18.5297, 23.7882, 39.6914

Protanopia

23.2392, 23.5260, 35.2144

Deuteranopia

24.0301, 23.6092, 40.8266



Tritanopia

17.7658, 23.7045, 35.9868

Trichromacy



Original Color

18.5297, 23.7882, 39.6914

Protanomaly

20.6577, 23.1961, 36.6462

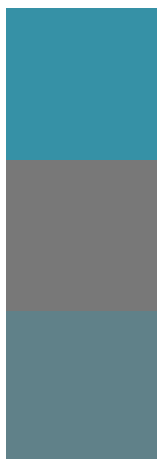
Deuteranomaly

21.1276, 23.1448, 40.3996

Tritanomaly

18.0771, 23.8348, 37.3660

Monochromacy



Original Color

18.5297, 23.7882, 39.6914

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.1895, 19.9935, 26.6201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5297, 23.7882, 39.6914 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, 145, 166)` looks like.

```
.text, #text, p{  
    color:rgb(54, 145, 166)  
}
```

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, 145, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 145, 166) }
```

Border

The CSS property to change the border of an element to XYZ 18.5297, 23.7882, 39.6914 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, 145, 166) }
```


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

```
.border{ border-color:rgb(54, 145, 166) }
```

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

Here you see how a box with a 4 pixel rgb(54, 145, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 145, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 145, 166);  
box-shadow:4px 4px 4px 4px rgb(54, 145,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5297, 23.7882, 39.6914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 145, 166) }
```

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

```
.background{ background-color: rgb(54, 145,  
166) }
```

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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