

Converting Colors

XYZ(18.2960, 23.3704, 39.8231)

Have a look what the booklet for
XYZ(18.2960, 23.3704, 39.8231)
contains.

XYZ(18.3244, 23.4566, 39.6382)	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(18.3244, 23.4566,
39.6382)**

Conversions

Conversions Part 1

Format	Color
Hex	3590A6
RGB	53, 144, 166
RGB Percent	21%, 56%, 65%
CMY	0.7921, 0.4353, 0.3490
CMYK	0.68, 0.13, 0.00, 0.35
HSL	192°, 52%, 43%
HSV	192°, 68%, 65%
XYZ	18.3244, 23.4566, 39.6382
YIQ	119.2990, -61.2980, -12.4500

Conversions

Conversions Part 2

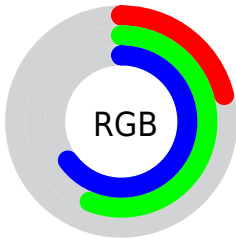
Format	Color
RYB	53, 103, 166
Decimal	3510438
CIELab	55.54, -19.51, -19.46
CIELCh	56, 27.560, 224.925
Yxy	23.4566, 0.2251, 0.2881
Android (android.graphics.Color)	4281700518 (0xFF3590A6)
YUV	119.2990, 23.0236, -58.1442
Hunter-Lab	48.4320, -17.2200, -14.6223

Details

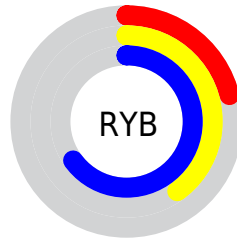
The XYZ color **18.3244, 23.4566, 39.6382** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.8853, 13.3971, 4.9595**, and the grayscale version is **17.5734, 18.4886, 20.1341**.

A 20% lighter version of the original color is **40.0553, 49.1193, 75.7765**, and **6.9516, 9.0436, 17.2988** is the 20% darker color. If you saturate the color by 10%, you get **17.1159, 22.1177, 39.4439**, and if you desaturate by 10%, it is **19.8507, 24.9810, 39.8524**.

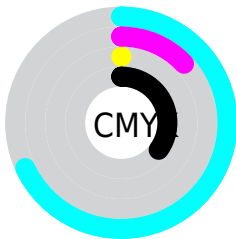
Distribution



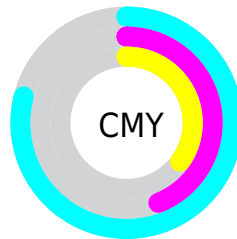
- Red (21%)
- Green (56%)
- Blue (65%)



- Red (21%)
- Yellow (40%)
- Blue (65%)



- Cyan (68%)
- Magenta (13%)
- Yellow (0%)
- Black (35%)



- Cyan (79%)
- Magenta (44%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3244, 23.4566, 39.6382 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 18.3244, 23.4566, 39.6382 by changing the saturation by 10% instead.

■ 18.3244, 23.4566,
39.6382

■ 18.3244, 23.4566,
39.6382

235.7036,
270.0616, 360.1029

■ 11.2842, 14.9310,
26.9449

■ 40.1151, 49.1420,
75.8433

■ 6.3271, 8.7710,
17.2998

■ 55.5963, 67.0706,
100.1922

■ 3.0875, 4.5921,
10.2843

■ 74.6220, 88.9023,
129.2635

■ 1.2002, 2.0100,
5.4798

■ 97.5573, 115.0215,
163.4755

■ 0.1065, 0.6133,
2.4678

■ 124.7679,
145.8127, 203.2469

■ 0.0000, 0.0000,
0.8230

156.6188,

■ 0.0000, 0.0000,

181.6602, 248.9963

0.0000

193.4756,
222.9483, 301.1421

■ 18.3244, 23.4566,
39.6382

■ 18.3244, 23.4566,
39.6382

■ 17.1159, 22.1177,
39.4439

■ 19.8507, 24.9810,
39.8524

■ 16.1900, 20.9447,
39.2663

■ 21.7207, 26.7032,
40.0863

■ 15.4907, 19.9090,
39.1032

■ 23.9602, 28.6369,
40.3415

■ 15.3643, 19.7157,
39.0726

■ 26.5918, 30.7941,
40.6192

■ 29.6363, 33.1857,
40.9203

■ 33.1130, 35.8216,
41.2459

■ 37.0398, 38.7115,
41.5967

■ 41.4339, 41.8641,
41.9736

■ 46.3112, 45.2879,
42.3774

Harmonies

Analogous

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



17.0030, 23.4566, 30.2081



18.3244, 23.4566, 39.6382



20.7759, 23.4566, 45.8945

Triad

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



18.3244, 23.4566, 39.6382



28.5795, 23.4566, 30.2569



20.7904, 23.4566, 12.3121

Complementary

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



18.3244, 23.4566, 39.6382



18.8853, 13.3971, 4.9595

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.



23.8860, 23.4566, 12.3193



18.3244, 23.4566, 39.6382



28.5843, 23.4566, 21.3798

Square

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



18.3244, 23.4566, 39.6382



26.7883, 23.4566, 39.6810



26.8009, 23.4566, 15.2576



18.3342, 23.4566, 15.2350

Rectangle

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



18.3244, 23.4566, 39.6382



22.8119, 23.4566, 46.6764



26.8009, 23.4566, 15.2576



21.7856, 23.4566, 11.9986

Sweetspot

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



18.3252, 23.4575, 39.6388



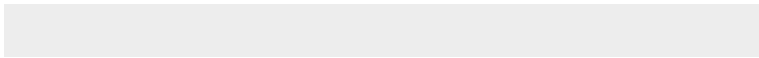
52.4456, 59.1898, 74.1359



16.3316, 28.5205, 11.0738



11.3958, 12.9794, 16.5568



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.



18.3252, 23.4575, 39.6388



30.0872, 38.9445, 71.4066



11.9063, 10.6198, 37.4992



7.6216, 8.2802, 9.6149



11.9468, 15.3537, 30.3094



0.3216, 0.4353, 0.7477

Inverse Universe

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



22.0337, 12.6676, 27.6702



37.7257, 19.5489, 46.1206



24.3807, 24.3879, 6.7913



7.7784, 7.6412, 9.1501



15.5308, 7.6210, 18.1384



0.3935, 0.1917, 0.5234

Previews

White Background



This preview shows how the XYZ color 18.3244, 23.4566, 39.6382 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 18.3244, 23.4566, 39.6382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

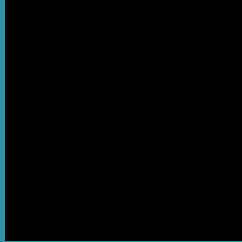
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.3244, 23.4566, 39.6382

Background



This preview shows how black text looks on a background with the XYZ color 18.3244, 23.4566, 39.6382.



This preview shows how white text looks on a background with the XYZ color 18.3244, 23.4566,

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

18.3244, 23.4566, 39.6382

Protanopia

22.9545, 23.1789, 35.1624

Deuteranopia

23.7482, 23.2655, 40.7751



Tritanopia

17.4301, 23.3135, 35.4796

Trichromacy



Original Color

18.3244, 23.4566, 39.6382

Protanomaly

20.4049, 22.8557, 36.5938

Deuteranomaly

20.8774, 22.8077, 40.3478

Tritanomaly

17.7860, 23.4670, 36.8499

Monochromacy



Original Color

18.3244, 23.4566, 39.6382

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.8824, 19.6488, 26.1954

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3244, 23.4566, 39.6382 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(53, 144, 166)` looks like.

```
.text, #text, p{  
    color:rgb(53, 144, 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(53, 144, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 144, 166) }
```

Border

The CSS property to change the border of an element to XYZ 18.3244, 23.4566, 39.6382 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(53, 144, 166) }
```


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

```
.border{ border-color:rgb(53, 144, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 144, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 144, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 144, 166);  
box-shadow:4px 4px 4px 4px rgb(53, 144,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3244, 23.4566, 39.6382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 144, 166) }
```

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

```
.background{ background-color: rgb(53, 144,  
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](#).

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