

Converting Colors

XYZ(16.1317, 19.1239, 44.7835)

Have a look what the booklet for
XYZ(16.1317, 19.1239, 44.7835)
contains.

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Color

**XYZ(16.1173, 19.0340,
44.9439)**

Conversions

Conversions Part 1

Format	Color
Hex	1181B2
RGB	17, 129, 178
RGB Percent	7%, 51%, 70%
CMY	0.9332, 0.4941, 0.3020
CMYK	0.90, 0.28, 0.00, 0.30
HSL	198°, 83%, 38%
HSV	198°, 90%, 70%
XYZ	16.1173, 19.0340, 44.9439
YIQ	101.0980, -82.4810, -8.5050

Conversions

Conversions Part 2

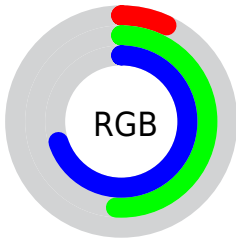
Format	Color
R_{YB}	17, 83, 178
Decimal	1147314
CIE _{Lab}	50.73, -10.87, -33.87
CIE _{LCh}	51, 35.567, 252.211
Yxy	19.0340, 0.2012, 0.2376
Android (android.graphics.Color)	4279337394 (0xFF1181B2)
YUV	101.0980, 37.9127, -73.7539
Hunter-Lab	43.6280, -10.4064, -30.5388

Details

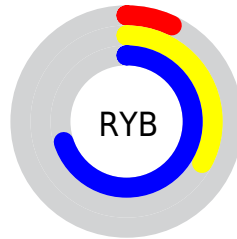
The XYZ color **16.1173, 19.0340, 44.9439** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **20.4113, 13.4049, 2.0430**, and the grayscale version is **12.3175, 12.9590, 14.1123**.

A 20% lighter version of the original color is **36.4031, 41.8832, 84.0075**, and **6.5703, 7.2180, 20.4490** is the 20% darker color. If you saturate the color by 10%, you get **15.2209, 17.5844, 44.7117**, and if you desaturate by 10%, it is **17.3064, 20.7350, 45.2100**.

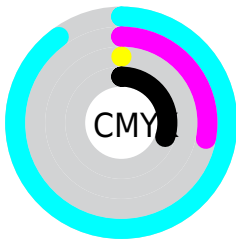
Distribution



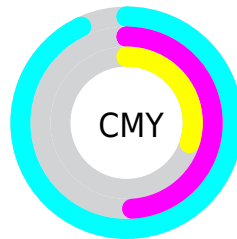
- Red (7%)
- Green (51%)
- Blue (70%)



- Red (7%)
- Yellow (33%)
- Blue (70%)



- Cyan (90%)
- Magenta (28%)
- Yellow (0%)
- Black (30%)



- Cyan (93%)
- Magenta (49%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1173, 19.0340, 44.9439 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 16.1173, 19.0340, 44.9439 by changing the saturation by 10% instead.

■ 16.1173, 19.0340,
44.9439

■ 16.1173, 19.0340,
44.9439

■ 223.2897,
246.6364, 382.6998

■ 9.6986, 11.6948,
31.0706

■ 36.3575, 41.7915,
83.9538

■ 5.2603, 6.5362,
20.3937

■ 50.9097, 57.9787,
109.9275

■ 2.4371, 3.1738,
12.4946

■ 68.9038, 77.8840,
140.7717

■ 0.8636, 1.2231,
6.9549

■ 90.7051, 101.8919,
176.9050

■ 0.0000, 0.0805,
3.3559

■ 116.6790,
130.3866, 218.7459

■ 0.0000, 0.0000,
1.2791

■ 147.1908,

■ 0.0000, 0.0000,

163.7527, 266.7130

0.0446

182.6059,
202.3745, 321.2248

■ 0.0000, 0.0000,
0.0000

■ 16.1173, 19.0340,
44.9439

■ 16.1173, 19.0340,
44.9439

■ 15.2209, 17.5844,
44.7117

■ 17.3064, 20.7350,
45.2100

■ 18.8389, 22.6699,
45.5027

■ 20.7571, 24.8614,
45.8246

■ 23.0960, 27.3285,
46.1775

■ 25.8868, 30.0880,
46.5630

■ 29.1572, 33.1549,
46.9826

■ 32.9328, 36.5433,
47.4377

■ 37.2372, 40.2661,
47.9294

■ 42.0925, 44.3353,
48.4589

Harmonies

Analogous

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



13.5616, 19.0340, 36.5074



16.1173, 19.0340, 44.9439



19.5483, 19.0340, 45.7598

Triad

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



16.1173, 19.0340, 44.9439



25.4758, 19.0340, 16.9191



13.9462, 19.0340, 9.4991

Complementary

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



16.1173, 19.0340, 44.9439



20.4113, 13.4049, 2.0430

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.



16.7084, 19.0340, 7.0430



16.1173, 19.0340, 44.9439



23.5316, 19.0340, 10.3072

Square

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



16.1173, 19.0340, 44.9439



25.2640, 19.0340, 27.1692



20.2201, 19.0340, 7.2813



12.4235, 19.0340, 15.3897

Rectangle

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



16.1173, 19.0340, 44.9439



21.9098, 19.0340, 41.6128



20.2201, 19.0340, 7.2813



14.7443, 19.0340, 8.3448

Sweetspot

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



16.1180, 19.0346, 44.9444



54.8089, 61.8859, 85.4376



17.1155, 32.3458, 10.3907



11.6580, 13.2688, 18.8689



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



16.1180, 19.0346, 44.9444



27.3903, 31.4645, 81.0108



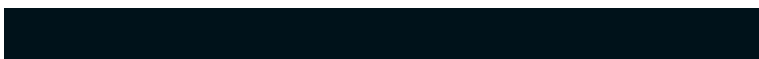
9.3751, 5.5489, 42.6968



8.5200, 9.1862, 10.8304



10.9481, 12.6965, 32.0106



0.3930, 0.4965, 1.0234

Inverse Universe

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



22.5236, 11.4517, 21.7926



39.7647, 19.7521, 35.6277



28.7106, 30.0035, 4.8094



8.7377, 8.6018, 10.1170



15.7607, 7.8218, 14.4318



0.5204, 0.2559, 0.5831

Previews

White Background



This preview shows how the XYZ color 16.1173, 19.0340, 44.9439 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 16.1173, 19.0340, 44.9439 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 16.1173, 19.0340, 44.9439

Background



This preview shows how black text looks on a background with the XYZ color 16.1173, 19.0340, 44.9439.

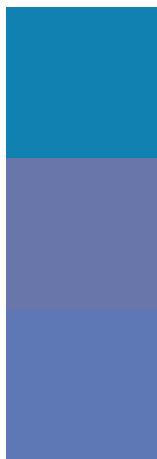


This preview shows how white text looks on a background with the XYZ color 16.1173, 19.0340,

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

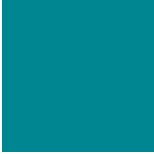
16.1173, 19.0340, 44.9439

Protanopia

19.3488, 18.7645, 40.1382

Deuteranopia

19.4689, 19.0554, 45.8320



Tritanopia

13.5591, 19.0638, 29.3506

Trichromacy



Original Color

16.1173, 19.0340, 44.9439

Protanomaly

17.0784, 18.2753, 41.6571

Deuteranomaly

17.3996, 18.5444, 45.3102

Tritanomaly

14.3271, 18.9415, 34.3535

Monochromacy



Original Color

16.1173, 19.0340, 44.9439

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.1727, 14.2559, 22.8790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1173, 19.0340, 44.9439 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(17, 129, 178)` looks like.

```
.text, #text, p{  
    color:rgb(17, 129, 178)  
}
```

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(17, 129, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 129, 178) }
```

Border

The CSS property to change the border of an element to XYZ 16.1173, 19.0340, 44.9439 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(17, 129, 178) }
```


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

```
.border{ border-color:rgb(17, 129, 178) }
```

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

Here you see how a box with a 4 pixel rgb(17, 129, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 129, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 129, 178);  
box-shadow:4px 4px 4px 4px rgb(17, 129,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1173, 19.0340, 44.9439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 129, 178) }
```

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

```
.background{ background-color: rgb(17, 129,  
178) }
```

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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