

Converting Colors

XYZ(17.4469, 20.9982, 36.1437)

Have a look what the booklet for
XYZ(17.4469, 20.9982, 36.1437)
contains.

XYZ(17.3816, 20.8930, 35.9175)	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(17.3816, 20.8930,
35.9175)**

Conversions

Conversions Part 1

Format	Color
Hex	47869F
RGB	71, 134, 159
RGB Percent	28%, 53%, 62%
CMY	0.7216, 0.4745, 0.3765
CMYK	0.55, 0.16, 0.00, 0.38
HSL	197°, 38%, 45%
HSV	197°, 55%, 62%
XYZ	17.3816, 20.8930, 35.9175
YIQ	118.0130, -45.5730, -5.5810

Conversions

Conversions Part 2

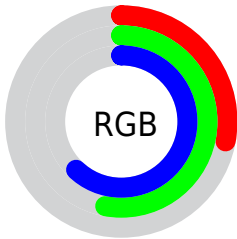
Format	Color
R_{YB}	71, 108, 159
Decimal	4687519
CIE _{Lab}	52.83, -12.89, -19.51
CIE _{LCh}	53, 23.385, 236.564
Yxy	20.8930, 0.2343, 0.2816
Android (android.graphics.Color)	4282877599 (0xFF47869F)
YUV	118.0130, 20.2066, -41.2304
Hunter-Lab	45.7089, -12.1127, -14.5932

Details

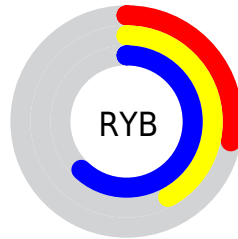
The XYZ color **17.3816, 20.8930, 35.9175** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.6187, 16.1921, 8.0532**, and the grayscale version is **17.1735, 18.0679, 19.6759**.

A 20% lighter version of the original color is **38.5121, 44.8313, 70.2418**, and **5.8771, 7.4234, 15.3105** is the 20% darker color. If you saturate the color by 10%, you get **15.7536, 19.1471, 35.6667**, and if you desaturate by 10%, it is **19.3427, 22.8511, 36.1925**.

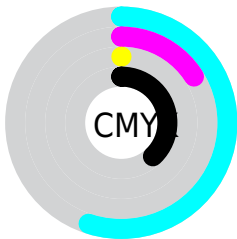
Distribution



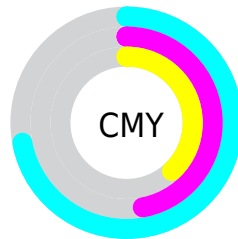
- Red (28%)
- Green (53%)
- Blue (62%)



- Red (28%)
- Yellow (42%)
- Blue (62%)



- Cyan (55%)
- Magenta (16%)
- Yellow (0%)
- Black (38%)



- Cyan (72%)
- Magenta (47%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3816, 20.8930, 35.9175 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 17.3816, 20.8930, 35.9175 by changing the saturation by 10% instead.

■ 17.3816, 20.8930,
35.9175

■ 17.3816, 20.8930,
35.9175

230.4755,
256.7093, 343.6263

■ 10.6039, 13.0458,
24.0813

■ 38.5191, 44.9094,
70.0723

■ 5.8665, 7.4601,
15.1812

■ 53.6097, 61.8474,
93.2280

■ 2.8040, 3.7515,
8.7986

■ 72.2019, 82.5844,
120.9940

■ 1.0510, 1.5355,
4.5150

■ 94.6612, 107.5049,
153.7887

■ 0.0000, 0.3135,
1.9119

■ 121.3528,
136.9933, 192.0308

■ 0.0000, 0.0000,
0.5003

152.6422,

■ 0.0000, 0.0000,

171.4338, 236.1387

0.0000

188.8946,
211.2111, 286.5310

■ 17.3816, 20.8930,
35.9175

■ 17.3816, 20.8930,
35.9175

■ 15.7536, 19.1471,
35.6667

■ 19.3427, 22.8511,
36.1925

■ 14.4321, 17.5978,
35.4373

■ 21.6570, 25.0310,
36.4913

■ 13.3893, 16.2308,
35.2284

■ 24.3452, 27.4441,
36.8154

■ 12.5886, 15.0267,
35.0382

■ 27.4257, 30.1005,
37.1657

■ 12.2564, 14.4999,
34.9540

■ 30.9159, 33.0096,
37.5433

■ 34.8318, 36.1800,
37.9489

■ 39.1888, 39.6202,
38.3832

■ 44.0012, 43.3379,
38.8472

■ 49.2829, 47.3408,
39.3414

Harmonies

Analogous

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



15.9474, 20.8930, 29.3081



17.3816, 20.8930, 35.9175



19.5780, 20.8930, 38.9859

Triad

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



17.3816, 20.8930, 35.9175



24.9237, 20.8930, 23.5645



17.8315, 20.8930, 12.7161

Complementary

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



17.3816, 20.8930, 35.9175



19.6187, 16.1921, 8.0532

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.



20.1410, 20.8930, 11.7925



17.3816, 20.8930, 35.9175



24.3611, 20.8930, 17.2496

Square

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



17.3816, 20.8930, 35.9175



24.0400, 20.8930, 30.9924



22.5595, 20.8930, 13.2710



16.1918, 20.8930, 16.1145

Rectangle

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



17.3816, 20.8930, 35.9175



21.2271, 20.8930, 38.2264



22.5595, 20.8930, 13.2710



18.5494, 20.8930, 12.1404

Sweetspot

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



17.3823, 20.8938, 35.9180



47.9672, 52.9297, 66.4318



17.1054, 26.9796, 15.3569



10.5757, 11.7289, 14.9502



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



17.3823, 20.8938, 35.9180



27.7197, 33.7335, 63.7937



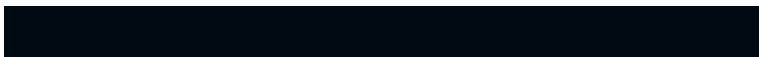
12.5189, 11.1670, 34.2969



6.6625, 7.1907, 8.4435



9.7171, 11.5257, 27.6198



0.2075, 0.2736, 0.5051

Inverse Universe

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



20.8549, 13.5992, 24.0808



34.8624, 20.4300, 39.0653



24.8042, 26.5631, 9.7817



6.8237, 6.7224, 7.9229



13.7029, 6.7857, 13.2186



0.2621, 0.1282, 0.3261

Previews

White Background



This preview shows how the XYZ color 17.3816, 20.8930, 35.9175 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 17.3816, 20.8930, 35.9175 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

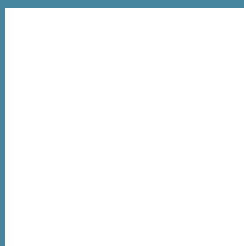
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.3816, 20.8930, 35.9175

Background



This preview shows how black text looks on a background with the XYZ color 17.3816, 20.8930, 35.9175.



This preview shows how white text looks on a background with the XYZ color 17.3816, 20.8930,

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

17.3816, 20.8930, 35.9175

Protanopia

20.4829, 20.6042, 32.6032

Deuteranopia

21.1237, 20.6611, 36.5929



Tritanopia

16.3174, 20.8732, 30.7727

Trichromacy



Original Color

17.3816, 20.8930, 35.9175

Protanomaly

19.1151, 20.6297, 33.9848

Deuteranomaly

19.4140, 20.5416, 36.1994

Tritanomaly

16.6338, 20.7913, 32.4146

Monochromacy



Original Color

17.3816, 20.8930, 35.9175

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.8081, 18.8755, 24.9477

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3816, 20.8930, 35.9175 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(71, 134, 159)` looks like.

```
.text, #text, p{  
    color:rgb(71, 134, 159)  
}
```

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(71, 134, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 134, 159) }
```

Border

The CSS property to change the border of an element to XYZ 17.3816, 20.8930, 35.9175 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(71, 134, 159) }
```


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

```
.border{ border-color:rgb(71, 134, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 134, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 134, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 134, 159);  
box-shadow:4px 4px 4px 4px rgb(71, 134,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3816, 20.8930, 35.9175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 134, 159) }
```

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

```
.background{ background-color: rgb(71, 134,  
159) }
```

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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