

Converting Colors

XYZ(16.9890, 20.4665, 47.1662)

Have a look what the booklet for
XYZ(16.9890, 20.4665, 47.1662)
contains.

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Color

**XYZ(17.0061, 20.4470,
47.3063)**

Conversions

Conversions Part 1

Format	Color
Hex	0386B6
RGB	3, 134, 182
RGB Percent	1%, 53%, 71%
CMY	0.9881, 0.4745, 0.2863
CMYK	0.98, 0.26, 0.00, 0.29
HSL	196°, 97%, 36%
HSV	196°, 98%, 71%
XYZ	17.0061, 20.4470, 47.3063
YIQ	100.3030, -93.4840, -12.8440

Conversions

Conversions Part 2

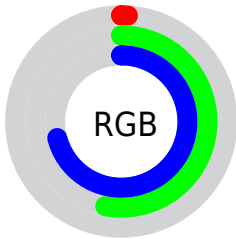
Format	Color
RYB	3, 79, 182
Decimal	231094
CIELab	52.34, -12.82, -33.65
CIELCh	52, 36.011, 249.149
Yxy	20.4470, 0.2006, 0.2412
Android (android.graphics.Color)	4278421174 (0xFF0386B6)
YUV	100.3030, 40.2766, -85.3347
Hunter-Lab	45.2184, -12.0004, -30.3748

Details

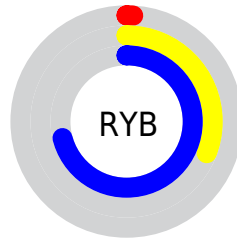
The XYZ color **17.0061, 20.4470, 47.3063** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **20.4932, 12.3218, 1.3852**, and the grayscale version is **12.1103, 12.7410, 13.8750**.

A 20% lighter version of the original color is **37.8190, 44.0934, 87.4065**, and **7.1328, 7.9256, 21.9227** is the 20% darker color. If you saturate the color by 10%, you get **16.8571, 20.2045, 47.2678**, and if you desaturate by 10%, it is **17.9734, 21.9707, 47.5499**.

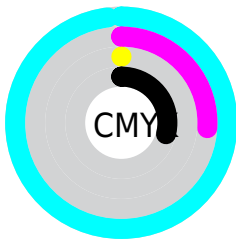
Distribution



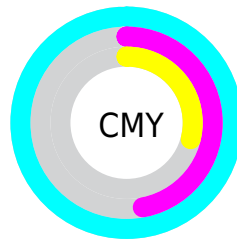
- Red (1%)
- Green (53%)
- Blue (71%)



- Red (1%)
- Yellow (31%)
- Blue (71%)



- Cyan (98%)
- Magenta (26%)
- Yellow (0%)
- Black (29%)



- Cyan (99%)
- Magenta (47%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0061, 20.4470, 47.3063 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 17.0061, 20.4470, 47.3063 by changing the saturation by 10% instead.

■ 17.0061, 20.4470,
47.3063

■ 17.0061, 20.4470,
47.3063

228.3631,
254.3248, 392.4649

■ 10.3342, 12.7204,
32.9218

■ 37.8798, 44.1654,
87.5254

■ 5.6850, 7.2363,
21.7959

■ 52.8122, 60.9259,
114.1971

■ 2.6934, 3.6103,
13.5101

■ 71.2289, 81.4665,
145.8016

■ 0.9938, 1.4581,
7.6459

■ 93.4952, 106.1716,
182.7574

■ 0.0000, 0.2589,
3.7847

■ 119.9764,
135.4256, 225.4831

■ 0.0000, 0.0000,
1.5080

■ 151.0378,

■ 0.0000, 0.0000,

169.6129, 274.3972

0.2239

187.0450,
209.1178, 329.9183

■ 0.0000, 0.0000,
0.0000

■ 17.0061, 20.4470,
47.3063

■ 17.0061, 20.4470,
47.3063

■ 16.8571, 20.2045,
47.2678

■ 17.9734, 21.9707,
47.5499

■ 19.2342, 23.6923,
47.8157

■ 20.8584, 25.6487,
48.1077

■ 22.8880, 27.8621,
48.4280

■ 25.3591, 30.3516,
48.7783

■ 28.3033, 33.1342,
49.1602

■ 31.7494, 36.2252,
49.5752

■ 35.7237, 39.6387,
50.0246

■ 40.2507, 43.3880,
50.5097

Harmonies

Analogous

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



14.4143, 20.4470, 37.7974



17.0061, 20.4470, 47.3063



20.5898, 20.4470, 49.1090

Triad

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



17.0061, 20.4470, 47.3063



27.3546, 20.4470, 19.1727



15.2727, 20.4470, 9.8887

Complementary

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



17.0061, 20.4470, 47.3063



20.4932, 12.3218, 1.3852

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.



18.3228, 20.4470, 7.5796



17.0061, 20.4470, 47.3063



25.5023, 20.4470, 11.7026

Square

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



17.0061, 20.4470, 47.3063



26.8850, 20.4470, 30.3480



22.0832, 20.4470, 8.1170



13.5055, 20.4470, 15.7594

Rectangle

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



17.0061, 20.4470, 47.3063



23.1168, 20.4470, 45.2728



22.0832, 20.4470, 8.1170



16.1652, 20.4470, 8.7709

Sweetspot

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



17.0068, 20.4477, 47.3068



56.1244, 64.4096, 89.7099



17.3581, 33.7126, 8.6960



11.8098, 13.7019, 19.7439



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



17.0068, 20.4477, 47.3068



30.3569, 36.2211, 85.6271



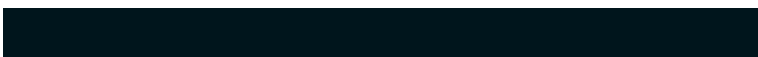
9.4118, 5.2576, 44.7751



9.0574, 9.7921, 11.4921



11.9612, 14.3820, 33.3987



0.4698, 0.6032, 1.1934

Inverse Universe

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



23.6277, 11.7322, 23.5742



42.5712, 21.0688, 41.6369



28.7214, 28.7783, 4.1280



9.2753, 9.1205, 10.7974



16.6511, 8.2342, 16.5815



0.6113, 0.3000, 0.7124

Previews

White Background



This preview shows how the XYZ color 17.0061, 20.4470, 47.3063 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 17.0061, 20.4470, 47.3063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

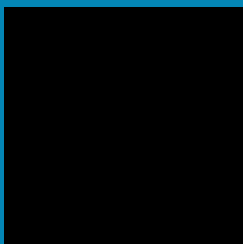
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

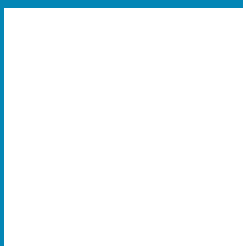
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.0061, 20.4470, 47.3063

Background



This preview shows how black text looks on a background with the XYZ color 17.0061, 20.4470, 47.3063.

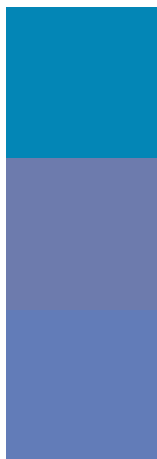


This preview shows how white text looks on a background with the XYZ color 17.0061, 20.4470,

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

17.0061, 20.4470, 47.3063

Protanopia

20.9325, 20.4343, 42.3761

Deuteranopia

20.8964, 20.4727, 48.1977



Tritanopia

14.5133, 20.3469, 31.5962

Trichromacy



Original Color

17.0061, 20.4470, 47.3063

Protanomaly

17.9516, 19.6154, 43.9143

Deuteranomaly

18.3163, 19.9140, 47.6782

Tritanomaly

15.3912, 20.4710, 36.8583

Monochromacy



Original Color

17.0061, 20.4470, 47.3063

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.0034, 14.3239, 23.2512

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0061, 20.4470, 47.3063 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(3, 134, 182)` looks like.

```
.text, #text, p{  
    color:rgb(3, 134, 182)  
}
```

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(3, 134, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 134, 182) }
```

Border

The CSS property to change the border of an element to XYZ 17.0061, 20.4470, 47.3063 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(3, 134, 182) }
```


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

```
.border{ border-color:rgb(3, 134, 182) }
```

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

Here you see how a box with a 4 pixel rgb(3, 134, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 134, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 134, 182);  
box-shadow:4px 4px 4px 4px rgb(3, 134,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0061, 20.4470, 47.3063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 134, 182) }
```

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

```
.background{ background-color: rgb(3, 134,  
182) }
```

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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