

Converting Colors

XYZ(11.5461, 18.0142, 45.8842)

Have a look what the booklet for
XYZ(11.5461, 18.0142, 45.8842)
contains.

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Color

**XYZ(17.0424, 20.9036,
46.3166)**

Conversions

Conversions Part 1

Format	Color
Hex	0088B4
RGB	0, 136, 180
RGB Percent	0%, 53%, 71%
CMY	0.9999, 0.4667, 0.2941
CMYK	1.00, 0.24, 0.00, 0.29
HSL	195°, 100%, 35%
HSV	195°, 100%, 71%
XYZ	17.0424, 20.9036, 46.3166
YIQ	100.3520, -95.1800, -15.1480

Conversions

Conversions Part 2

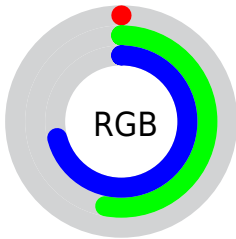
Format	Color
RYB	0, 77, 180
Decimal	34996
CIELab	52.84, -14.79, -31.72
CIELCh	53, 34.998, 244.995
Yxy	20.9036, 0.2023, 0.2481
Android (android.graphics.Color)	4278225076 (0xFF0088B4)
YUV	100.3520, 39.2665, -88.0087
Hunter-Lab	45.7205, -13.4745, -28.0588

Details

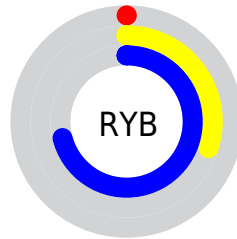
The XYZ color **17.0424, 20.9036, 46.3166** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **19.7248, 11.5076, 1.1826**, and the grayscale version is **12.1263, 12.7578, 13.8932**.

A 20% lighter version of the original color is **37.8521, 44.7785, 86.0050**, and **7.1586, 8.1879, 21.2818** is the 20% darker color. If you saturate the color by 10%, you get **17.0414, 20.9015, 46.3167**, and if you desaturate by 10%, it is **17.9254, 22.2983, 46.5397**.

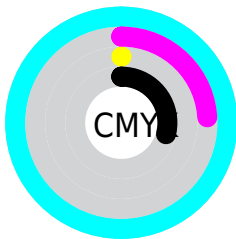
Distribution



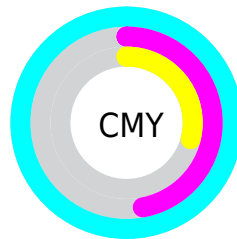
- Red (0%)
- Green (53%)
- Blue (71%)



- Red (0%)
- Yellow (30%)
- Blue (71%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (47%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0424, 20.9036, 46.3166 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 17.0424, 20.9036, 46.3166 by changing the saturation by 10% instead.

■ 17.0424, 20.9036,
46.3166

■ 17.0424, 20.9036,
46.3166

■ 228.5681,
256.7657, 388.3945

■ 10.3602, 13.0536,
32.1453

■ 37.9417, 44.9270,
86.0319

■ 5.7025, 7.4654,
21.2067

■ 52.8895, 61.8692,
112.4129

■ 2.7040, 3.7548,
13.0825

■ 71.3232, 82.6109,
143.7009

■ 0.9992, 1.5374,
7.3540

■ 93.6082, 107.5365,
180.3144

■ 0.0000, 0.3148,
3.6027

■ 120.1098,
137.0304, 222.6720

■ 0.0000, 0.0000,
1.4100

■ 151.1935,

■ 0.0000, 0.0000,

171.4770, 271.1922

0.1495

187.2244,
211.2606, 326.2935

■ 0.0000, 0.0000,
0.0000

■ 17.0424, 20.9036,
46.3166

■ 17.0424, 20.9036,
46.3166

■ 17.0414, 20.9015,
46.3167

■ 17.9254, 22.2983,
46.5397

■ 19.0625, 23.8618,
46.7815

■ 20.5414, 25.6401,
47.0469

■ 22.4041, 27.6555,
47.3377

■ 24.6863, 29.9265,
47.6558

■ 27.4193, 32.4700,
48.0026

■ 30.6315, 35.3007,
48.3797

■ 34.3488, 38.4326,
48.7883

■ 38.5951, 41.8783,
49.2296

Harmonies

Analogous

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



14.6478, 20.9036, 36.3695



17.0424, 20.9036, 46.3166



20.4866, 20.9036, 49.2854

Triad

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



17.0424, 20.9036, 46.3166



27.7265, 20.9036, 21.0521



16.1031, 20.9036, 9.9304

Complementary

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



17.0424, 20.9036, 46.3166



19.7248, 11.5076, 1.1826

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.



19.2624, 20.9036, 8.0183



17.0424, 20.9036, 46.3166



26.2015, 20.9036, 13.0564

Square

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



17.0424, 20.9036, 46.3166



26.9445, 20.9036, 32.3754



22.9904, 20.9036, 8.9558



14.1539, 20.9036, 15.2668

Rectangle

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



17.0424, 20.9036, 46.3166



22.9892, 20.9036, 46.3190



22.9904, 20.9036, 8.9558



17.0434, 20.9036, 8.9550

Sweetspot

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



17.0431, 20.9043, 46.3171



55.2072, 63.7194, 87.6840



16.7403, 32.8105, 7.6439



11.3910, 13.3005, 18.8891



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.



17.0431, 20.9043, 46.3171



30.7078, 37.5153, 83.9173



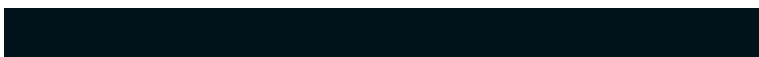
9.2968, 5.4117, 43.7350



8.5632, 9.2725, 10.8448



11.9483, 14.6971, 32.3441



0.4183, 0.5471, 1.0318

Inverse Universe

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



23.2670, 11.4818, 24.2830



42.0890, 20.7782, 43.5141



27.0755, 26.2089, 3.6329



8.7595, 8.6105, 10.2317



16.2656, 8.0238, 17.0906



0.5332, 0.2610, 0.6503

Previews

White Background



This preview shows how the XYZ color 17.0424, 20.9036, 46.3166 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 17.0424, 20.9036, 46.3166 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 17.0424, 20.9036, 46.3166

Background



This preview shows how black text looks on a background with the XYZ color 17.0424, 20.9036, 46.3166.

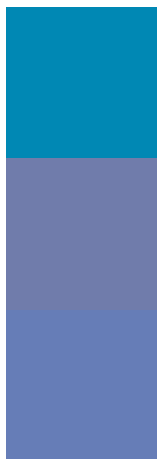


This preview shows how white text looks on a background with the XYZ color 17.0424, 20.9036,

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

17.0424, 20.9036, 46.3166

Protanopia

21.2404, 20.8003, 41.4234

Deuteranopia

21.3603, 20.9109, 47.7101



Tritanopia

14.8831, 20.9582, 32.1151

Trichromacy



Original Color

17.0424, 20.9036, 46.3166

Protanomaly

17.9577, 19.8339, 42.9263

Deuteranomaly

18.4737, 20.2017, 47.1816

Tritanomaly

15.6656, 21.0384, 36.9534

Monochromacy



Original Color

17.0424, 20.9036, 46.3166

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.9819, 14.4852, 22.9333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0424, 20.9036, 46.3166 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(0, 136, 180)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 180)  
}
```

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(0, 136, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 180) }
```

Border

The CSS property to change the border of an element to XYZ 17.0424, 20.9036, 46.3166 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(0, 136, 180) }
```


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

```
.border{ border-color:rgb(0, 136, 180) }
```

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

Here you see how a box with a 4 pixel rgb(0, 136, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 180);  
box-shadow:4px 4px 4px 4px rgb(0, 136,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0424, 20.9036, 46.3166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 136, 180) }
```

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

```
.background{ background-color: rgb(0, 136,  
180) }
```

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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