

Converting Colors

XYZ(12.9568, 16.8824, 44.2001)

Have a look what the booklet for
XYZ(12.9568, 16.8824, 44.2001)
contains.

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Color

**XYZ(15.3967, 18.0960,
44.2764)**

Conversions

Conversions Part 1

Format	Color
Hex	007EB1
RGB	0, 126, 177
RGB Percent	0%, 49%, 69%
CMY	0.9998, 0.5059, 0.3059
CMYK	1.00, 0.29, 0.00, 0.31
HSL	197°, 100%, 35%
HSV	197°, 100%, 69%
XYZ	15.3967, 18.0960, 44.2764
YIQ	94.1400, -91.4670, -10.8510

Conversions

Conversions Part 2

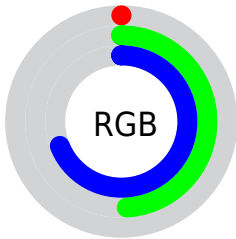
Format	Color
RYB	0, 74, 177
Decimal	32433
CIELab	49.61, -10.25, -35.05
CIElCh	50, 36.516, 253.699
Yxy	18.0960, 0.1980, 0.2327
Android (android.graphics.Color)	4278222513 (0xFF007EB1)
YUV	94.1400, 40.8500, -82.5608
Hunter-Lab	42.5394, -9.8377, -31.9334

Details

The XYZ color **15.3967, 18.0960, 44.2764** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **19.3173, 11.7183, 1.2448**, and the grayscale version is **10.5972, 11.1491, 12.1414**.

A 20% lighter version of the original color is **35.2417, 40.3987, 83.0311**, and **6.2920, 6.7630, 20.0425** is the 20% darker color. If you saturate the color by 10%, you get **15.3955, 18.0935, 44.2764**, and if you desaturate by 10%, it is **16.3105, 19.5605, 44.5113**.

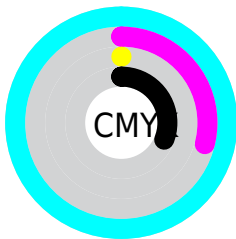
Distribution



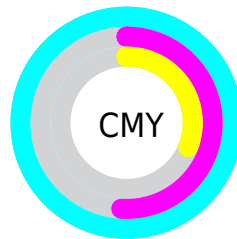
- Red (0%)
- Green (49%)
- Blue (69%)



- Red (0%)
- Yellow (29%)
- Blue (69%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (51%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3967, 18.0960, 44.2764 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 15.3967, 18.0960, 44.2764 by changing the saturation by 10% instead.

■ 15.3967, 18.0960,
44.2764

■ 15.3967, 18.0960,
44.2764

■ 219.0960,
241.4116, 379.9093

■ 9.1864, 11.0189,
30.5491

■ 35.1136, 40.2008,
82.9404

■ 4.9210, 6.0796,
20.0001

■ 49.3509, 55.9974,
108.7142

■ 2.2353, 2.8935,
12.2111

■ 66.9946, 75.4692,
139.3405

■ 0.7612, 1.0764,
6.7633

■ 88.4100, 99.0008,
175.2379

■ 0.0000, 0.0000,
3.2383

■ 113.9625,
126.9764, 216.8249

■ 0.0000, 0.0000,
1.2176

■ 144.0174,

■ 0.0000, 0.0000,

159.7805, 264.5202

0.0000

178.9401,
197.7974, 318.7421

■ 15.3967, 18.0960,
44.2764

■ 15.3967, 18.0960,
44.2764

■ 15.3955, 18.0935,
44.2764

■ 16.3105, 19.5605,
44.5113

■ 17.4768, 21.2050,
44.7673

■ 18.9812, 23.0746,
45.0488

■ 20.8641, 25.1908,
45.3581

■ 23.1599, 27.5720,
45.6967

■ 25.8988, 30.2345,
46.0662

■ 29.1083, 33.1930,
46.4681

■ 32.8132, 36.4610,
46.9036

■ 37.0368, 40.0511,
47.3740

Harmonies

Analogous

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



12.8187, 18.0960, 36.0437



15.3967, 18.0960, 44.2764



18.8262, 18.0960, 44.6621

Triad

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



15.3967, 18.0960, 44.2764



24.5184, 18.0960, 15.5214



12.9953, 18.0960, 8.8777

Complementary

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



15.3967, 18.0960, 44.2764



19.3173, 11.7183, 1.2448

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.



15.6697, 18.0960, 6.3718



15.3967, 18.0960, 44.2764



22.4800, 18.0960, 9.2426

Square

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



15.3967, 18.0960, 44.2764



24.4193, 18.0960, 25.5587



19.1382, 18.0960, 6.4780



11.5649, 18.0960, 14.8186

Rectangle

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



15.3967, 18.0960, 44.2764



21.1673, 18.0960, 40.2220



19.1382, 18.0960, 6.4780



13.7617, 18.0960, 7.7108

Sweetspot

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



15.3974, 18.0966, 44.2769



51.8025, 59.1502, 83.1822



16.3023, 31.6767, 8.2927



10.6961, 12.3354, 17.9616



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



15.3974, 18.0966, 44.2769



27.3739, 32.0073, 79.2306



8.6417, 4.5853, 42.0250



8.5316, 9.2095, 10.8343



11.2084, 13.2172, 32.0974



0.3997, 0.5099, 1.0256

Inverse Universe

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



21.8980, 10.8544, 20.6800



39.1160, 19.3976, 36.5018



27.3152, 27.7139, 3.9108



8.7435, 8.6041, 10.1479



15.8921, 7.8744, 15.1238



0.5238, 0.2573, 0.6008

Previews

White Background



This preview shows how the XYZ color 15.3967, 18.0960, 44.2764 looks on a white 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

Black Background



This preview shows how the XYZ color 15.3967, 18.0960, 44.2764 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

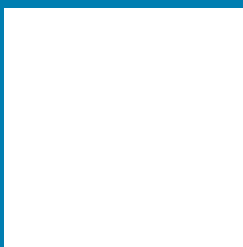
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.3967, 18.0960, 44.2764

Background



This preview shows how black text looks on a background with the XYZ color 15.3967, 18.0960, 44.2764.

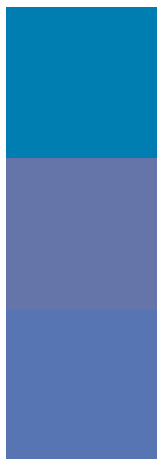


This preview shows how white text looks on a background with the XYZ color 15.3967, 18.0960,

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

15.3967, 18.0960, 44.2764

Protanopia

18.7737, 18.1221, 40.0445

Deuteranopia

18.5225, 18.0520, 45.1560



Tritanopia

12.8499, 18.1260, 27.6324

Trichromacy



Original Color

15.3967, 18.0960, 44.2764

Protanomaly

16.2772, 17.5015, 41.5499

Deuteranomaly

16.3832, 17.4880, 44.6315

Tritanomaly

13.6000, 18.0004, 32.8946

Monochromacy



Original Color

15.3967, 18.0960, 44.2764

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.6556, 12.7240, 20.9631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3967, 18.0960, 44.2764 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, 126, 177)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 177)  
}
```

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, 126, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 177) }
```

Border

The CSS property to change the border of an element to XYZ 15.3967, 18.0960, 44.2764 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, 126, 177) }
```


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

```
.border{ border-color:rgb(0, 126, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 126, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 177);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3967, 18.0960, 44.2764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 177) }
```

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

```
.background{ background-color: rgb(0, 126,  
177) }
```

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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