

Converting Colors

XYZ(16.6326, 18.3848, 44.8001)

Have a look what the booklet for
XYZ(16.6326, 18.3848, 44.8001)
contains.

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Color

**XYZ(16.6088, 18.3335,
44.7828)**

Conversions

Conversions Part 1

Format	Color
Hex	337CB2
RGB	51, 124, 178
RGB Percent	20%, 49%, 70%
CMY	0.8000, 0.5137, 0.3020
CMYK	0.71, 0.30, 0.00, 0.30
HSL	206°, 55%, 45%
HSV	206°, 71%, 70%
XYZ	16.6088, 18.3335, 44.7828
YIQ	108.3290, -60.8420, 1.3180

Conversions

Conversions Part 2

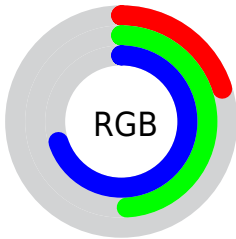
Format	Color
R_{YB}	51, 97, 178
Decimal	3374258
CIE _{Lab}	49.90, -4.51, -35.12
CIE _{LCh}	50, 35.406, 262.684
Yxy	18.3335, 0.2083, 0.2300
Android (android.graphics.Color)	4281564338 (0xFF337CB2)
YUV	108.3290, 34.3478, -50.2775
Hunter-Lab	42.8176, -5.6914, -32.0388

Details

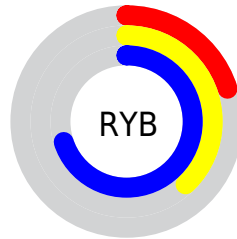
The XYZ color **16.6088, 18.3335, 44.7828** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **24.0103, 19.8088, 5.6910**, and the grayscale version is **14.2659, 15.0088, 16.3446**.

A 20% lighter version of the original color is **37.1867, 40.5019, 83.6996**, and **6.2861, 6.6496, 20.3542** is the 20% darker color. If you saturate the color by 10%, you get **14.9652, 16.1320, 44.4449**, and if you desaturate by 10%, it is **18.6698, 20.8589, 45.1620**.

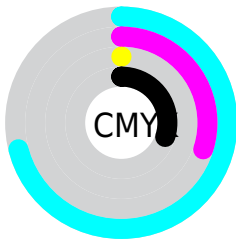
Distribution



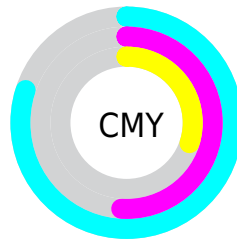
- Red (20%)
- Green (49%)
- Blue (70%)



- Red (20%)
- Yellow (38%)
- Blue (70%)



- Cyan (71%)
- Magenta (30%)
- Yellow (0%)
- Black (30%)



- Cyan (80%)
- Magenta (51%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6088, 18.3335, 44.7828 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 16.6088, 18.3335, 44.7828 by changing the saturation by 10% instead.

■ 16.6088, 18.3335,
44.7828

■ 16.6088, 18.3335,
44.7828

226.1083,
242.7442, 382.0276

■ 10.0495, 11.1897,
30.9447

■ 37.2009, 40.6048,
83.7094

■ 5.4943, 6.1946,
20.2986

■ 51.9645, 56.5010,
109.6349

■ 2.5778, 2.9638,
12.4261

■ 70.1935, 76.0836,
140.4267

■ 0.9347, 1.1128,
6.9085

■ 92.2534, 99.7368,
176.5032

■ 0.0000, 0.0000,
3.3274

■ 118.5094,
127.8450, 218.2830

■ 0.0000, 0.0000,
1.2641

149.3270,

■ 0.0000, 0.0000,

160.7928, 266.1846

0.0321

185.0715,
198.9643, 320.6267

■ 0.0000, 0.0000,
0.0000

■ 16.6088, 18.3335,
44.7828

■ 16.6088, 18.3335,
44.7828

■ 14.9652, 16.1320,
44.4449

■ 18.6698, 20.8589,
45.1620

■ 13.6938, 14.2277,
44.1443

■ 21.1828, 23.7275,
45.5832

■ 12.8180, 12.7786,
43.9108

■ 24.1808, 26.9588,
46.0489

■ 27.6930, 30.5700,
46.5609

■ 31.7459, 34.5770,
47.1207

■ 36.3642, 38.9947,
47.7300

■ 41.5711, 43.8368,
48.3902

■ 47.3882, 49.1167,
49.1027

■ 53.8362, 54.8468,
49.8689

Harmonies

Analogous

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



13.7662, 18.3335, 38.7864



16.6088, 18.3335, 44.7828



20.0612, 18.3335, 42.6054

Triad

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



16.6088, 18.3335, 44.7828



24.1555, 18.3335, 13.5953



12.7398, 18.3335, 10.6516

Complementary

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



16.6088, 18.3335, 44.7828



24.0103, 19.8088, 5.6910

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.



15.0313, 18.3335, 7.2198



16.6088, 18.3335, 44.7828



21.6816, 18.3335, 8.4946

Square

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



16.6088, 18.3335, 44.7828



24.7206, 18.3335, 22.4339



18.2684, 18.3335, 6.5838



11.7284, 18.3335, 17.6788

Rectangle

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



16.6088, 18.3335, 44.7828



22.2270, 18.3335, 37.0630



18.2684, 18.3335, 6.5838



13.3705, 18.3335, 9.1462

Sweetspot

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



16.6095, 18.3341, 44.7833



57.5532, 62.6877, 85.4477



19.7809, 33.5430, 18.5078



12.2850, 13.4336, 18.8677



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.



16.6095, 18.3341, 44.7833



25.6472, 27.0714, 80.2547



11.1021, 7.3194, 42.9475



8.4339, 9.0140, 10.8017



9.2347, 9.2698, 31.4395



0.3469, 0.4044, 1.0080

Inverse Universe

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



23.1826, 13.2887, 20.4124



39.1063, 20.3363, 29.5473



32.8534, 37.4950, 8.6386



8.6942, 8.5844, 9.8881



14.8959, 7.4759, 9.8778



0.4971, 0.2466, 0.4606

Previews

White Background



This preview shows how the XYZ color 16.6088, 18.3335, 44.7828 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 16.6088, 18.3335, 44.7828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

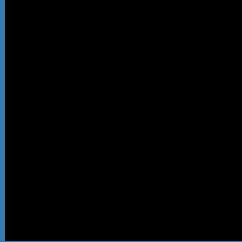
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.6088, 18.3335, 44.7828

Background



This preview shows how black text looks on a background with the XYZ color 16.6088, 18.3335, 44.7828.



This preview shows how white text looks on a background with the XYZ color 16.6088, 18.3335,

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

16.6088, 18.3335, 44.7828

Protanopia

18.9473, 18.1787, 41.5399

Deuteranopia

18.6396, 18.2862, 45.1950



Tritanopia

13.2482, 18.3142, 28.4279

Trichromacy



Original Color

16.6088, 18.3335, 44.7828

Protanomaly

17.7165, 18.0435, 42.5934

Deuteranomaly

17.7548, 18.1835, 45.2218

Tritanomaly

14.1710, 18.0809, 33.7534

Monochromacy



Original Color

16.6088, 18.3335, 44.7828

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.1814, 15.7543, 24.4837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6088, 18.3335, 44.7828 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(51, 124, 178)` looks like.

```
.text, #text, p{  
    color:rgb(51, 124, 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(51, 124, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 124, 178) }
```

Border

The CSS property to change the border of an element to XYZ 16.6088, 18.3335, 44.7828 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(51, 124, 178) }
```


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

```
.border{ border-color:rgb(51, 124, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 124, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 124, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 124, 178);  
box-shadow:4px 4px 4px 4px rgb(51, 124,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6088, 18.3335, 44.7828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 124, 178) }
```

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

```
.background{ background-color: rgb(51, 124,  
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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