

Converting Colors

XYZ(15.2998, 18.4187, 37.0525)

Have a look what the booklet for
XYZ(15.2998, 18.4187, 37.0525)
contains.

XYZ(15.2832, 18.3917, 36.9269)	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(15.2832, 18.3917,
36.9269)**

Conversions

Conversions Part 1

Format	Color
Hex	2F7FA2
RGB	47, 127, 162
RGB Percent	18%, 50%, 64%
CMY	0.8157, 0.5020, 0.3647
CMYK	0.71, 0.22, 0.00, 0.36
HSL	198°, 55%, 41%
HSV	198°, 71%, 64%
XYZ	15.2832, 18.3917, 36.9269
YIQ	107.0700, -58.9150, -6.0750

Conversions

Conversions Part 2

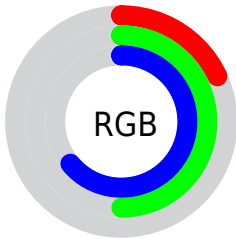
Format	Color
R _Y B	47, 94, 162
Decimal	3112866
CIE Lab	49.97, -12.45, -25.74
CIE LCh	50, 28.590, 244.179
Yxy	18.3917, 0.2165, 0.2605
Android (android.graphics.Color)	4281302946 (0xFF2F7FA2)
YUV	107.0700, 27.0805, -52.6814
Hunter-Lab	42.8855, -11.4373, -21.0322

Details

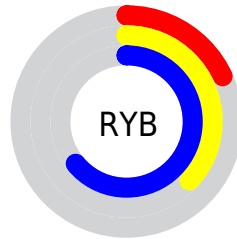
The XYZ color **15.2832, 18.3917, 36.9269** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **18.4313, 13.9221, 4.4057**, and the grayscale version is **13.9342, 14.6599, 15.9646**.

A 20% lighter version of the original color is **35.0300, 40.8404, 71.6824**, and **5.5389, 6.5746, 15.7289** is the 20% darker color. If you saturate the color by 10%, you get **14.0492, 16.8335, 36.6915**, and if you desaturate by 10%, it is **16.8268, 20.1564, 37.1865**.

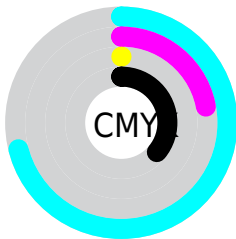
Distribution



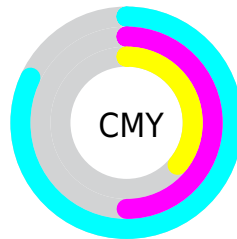
- Red (18%)
- Green (50%)
- Blue (64%)



- Red (18%)
- Yellow (37%)
- Blue (64%)



- Cyan (71%)
- Magenta (22%)
- Yellow (0%)
- Black (36%)



- Cyan (82%)
- Magenta (50%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2832, 18.3917, 36.9269 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 15.2832, 18.3917, 36.9269 by changing the saturation by 10% instead.

■ 15.2832, 18.3917,
36.9269

■ 15.2832, 18.3917,
36.9269

218.4286,
243.0697, 348.1531

■ 9.1060, 11.2316,
24.8556

■ 34.9168, 40.7036,
71.6454

■ 4.8680, 6.2228,
15.7514

■ 49.1040, 56.6243,
95.1297

■ 2.2040, 2.9810,
9.1960

■ 66.6918, 76.2338,
123.2553

■ 0.7448, 1.1218,
4.7707

■ 88.0456, 99.9167,
156.4408

■ 0.0000, 0.0000,
2.0570

■ 113.5309,
128.0574, 195.1049

■ 0.0000, 0.0000,
0.5900

143.5129,

■ 0.0000, 0.0000,

161.0401, 239.6659

0.0000

178.3570,
199.2495, 290.5424

■ 15.2832, 18.3917,
36.9269

■ 15.2832, 18.3917,
36.9269

■ 14.0492, 16.8335,
36.6915

■ 16.8268, 20.1564,
37.1865

■ 13.0900, 15.4623,
36.4774

■ 18.7062, 22.1408,
37.4705

■ 12.3929, 14.3511,
36.2997

■ 20.9465, 24.3587,
37.7805

■ 23.5700, 26.8224,
38.1178

■ 26.5969, 29.5428,
38.4833

■ 30.0462, 32.5303,
38.8782

■ 33.9354, 35.7945,
39.3033

■ 38.2811, 39.3446,
39.7595

■ 43.0989, 43.1891,
40.2476

Harmonies

Analogous

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



13.4713, 18.3917, 29.7635



15.2832, 18.3917, 36.9269



17.8679, 18.3917, 39.1780

Triad

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



15.2832, 18.3917, 36.9269



23.2847, 18.3917, 18.9449



14.6827, 18.3917, 9.9502

Complementary

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



15.2832, 18.3917, 36.9269



18.4313, 13.9221, 4.4057

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.



17.0993, 18.3917, 8.4246



15.2832, 18.3917, 36.9269



22.2159, 18.3917, 12.6834

Square

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



15.2832, 18.3917, 36.9269



22.6698, 18.3917, 27.3494



19.8795, 18.3917, 9.2757



13.1509, 18.3917, 14.1418

Rectangle

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



15.2832, 18.3917, 36.9269



19.7307, 18.3917, 37.2025



19.8795, 18.3917, 9.2757



15.4087, 18.3917, 9.1667

Sweetspot

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



15.2838, 18.3924, 36.9274



48.0410, 53.4177, 69.8347



15.5972, 27.0471, 12.2827



10.4521, 11.6977, 15.6445



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



15.2838, 18.3924, 36.9274



24.4668, 29.1177, 66.3869



9.8847, 7.5941, 35.1276



7.0933, 7.6456, 9.0050



9.8025, 11.3843, 28.6105



0.2445, 0.3164, 0.6140

Inverse Universe

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



19.7481, 11.2473, 21.2094



33.6373, 17.3953, 33.4366



24.6466, 26.3525, 6.4775



7.2721, 7.1653, 8.4191



14.0933, 6.9934, 12.9478



0.3156, 0.1547, 0.3746

Previews

White Background



This preview shows how the XYZ color 15.2832, 18.3917, 36.9269 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 15.2832, 18.3917, 36.9269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

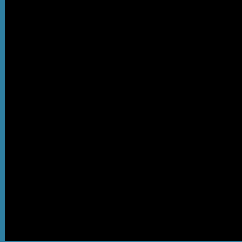
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.2832, 18.3917, 36.9269

Background



This preview shows how black text looks on a background with the XYZ color 15.2832, 18.3917, 36.9269.

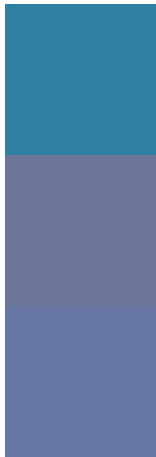


This preview shows how white text looks on a background with the XYZ color 15.2832, 18.3917,

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

15.2832, 18.3917, 36.9269

Protanopia

18.3784, 18.2438, 33.1246

Deuteranopia

18.6556, 18.2865, 37.6683



Tritanopia

13.5197, 18.4628, 28.0504

Trichromacy



Original Color

15.2832, 18.3917, 36.9269

Protanomaly

16.7609, 18.0875, 34.5061

Deuteranomaly

17.0155, 18.1581, 37.2584

Tritanomaly

14.1704, 18.5285, 31.2633

Monochromacy



Original Color

15.2832, 18.3917, 36.9269

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.5944, 15.4982, 22.3536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2832, 18.3917, 36.9269 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(47, 127, 162)` looks like.

```
.text, #text, p{  
    color:rgb(47, 127, 162)  
}
```

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(47, 127, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 127, 162) }
```

Border

The CSS property to change the border of an element to XYZ 15.2832, 18.3917, 36.9269 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(47, 127, 162) }
```


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

```
.border{ border-color:rgb(47, 127, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 127, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 127, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 127, 162);  
box-shadow:4px 4px 4px 4px rgb(47, 127,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2832, 18.3917, 36.9269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 127, 162) }
```

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

```
.background{ background-color: rgb(47, 127,  
162) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor