

Converting Colors

XYZ(15.1958, 18.5785, 34.9949)

Have a look what the booklet for
XYZ(15.1958, 18.5785, 34.9949)
contains.

XYZ(15.2061, 18.5851, 35.1336)	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(15.2061, 18.5851,
35.1336)**

Conversions

Conversions Part 1

Format	Color
Hex	32809E
RGB	50, 128, 158
RGB Percent	20%, 50%, 62%
CMY	0.8039, 0.4980, 0.3804
CMYK	0.68, 0.19, 0.00, 0.38
HSL	197°, 52%, 41%
HSV	197°, 68%, 62%
XYZ	15.2061, 18.5851, 35.1336
YIQ	108.0980, -56.1180, -7.2060

Conversions

Conversions Part 2

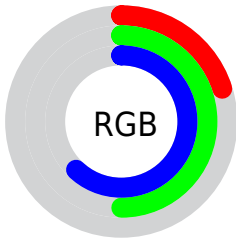
Format	Color
RYB	50, 95, 158
Decimal	3309726
CIELab	50.20, -13.90, -23.04
CIELCh	50, 26.913, 238.894
Yxy	18.5851, 0.2206, 0.2696
Android (android.graphics.Color)	4281499806 (0xFF32809E)
YUV	108.0980, 24.6017, -50.9519
Hunter-Lab	43.1104, -12.4820, -18.1421

Details

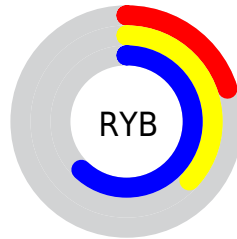
The XYZ color **15.2061, 18.5851, 35.1336** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **17.5455, 13.2375, 4.6486**, and the grayscale version is **14.2265, 14.9674, 16.2995**.

A 20% lighter version of the original color is **34.8408, 41.1031, 69.0482**, and **5.4498, 6.6535, 14.9069** is the 20% darker color. If you saturate the color by 10%, you get **13.9974, 17.1307, 34.9169**, and if you desaturate by 10%, it is **16.7097, 20.2289, 35.3720**.

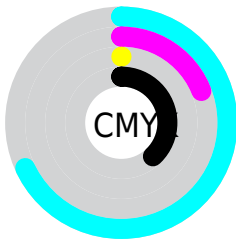
Distribution



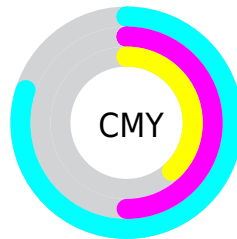
- Red (20%)
- Green (50%)
- Blue (62%)



- Red (20%)
- Yellow (37%)
- Blue (62%)



- Cyan (68%)
- Magenta (19%)
- Yellow (0%)
- Black (38%)



- Cyan (80%)
- Magenta (50%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2061, 18.5851, 35.1336 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 15.2061, 18.5851, 35.1336 by changing the saturation by 10% instead.

■ 15.2061, 18.5851,
35.1336

■ 15.2061, 18.5851,
35.1336

217.9740,
244.1486, 340.0798

■ 9.0514, 11.3709,
23.4814

■ 34.7830, 41.0318,
68.8466

■ 4.8321, 6.3169,
14.7408

■ 48.9360, 57.0331,
91.7445

■ 2.1828, 3.0387,
8.4931

■ 66.4858, 76.7322,
119.2281

■ 0.7337, 1.1520,
4.3198

■ 87.7977, 100.5135,
151.7159

■ 0.0000, 0.0219,
1.8024

■ 113.2371,
128.7614, 189.6264

■ 0.0000, 0.0000,
0.4295

143.1694,

■ 0.0000, 0.0000,

161.8603, 233.3782

0.0000

177.9599,
200.1946, 283.3898

■ 15.2061, 18.5851,
35.1336

■ 15.2061, 18.5851,
35.1336

■ 13.9974, 17.1307,
34.9169

■ 16.7097, 20.2289,
35.3720

■ 13.0523, 15.8483,
34.7192

■ 18.5315, 22.0737,
35.6321

■ 12.3162, 14.7094,
34.5382

■ 20.6945, 24.1320,
35.9153

■ 12.2015, 14.5285,
34.5093

■ 23.2190, 26.4147,
36.2229

■ 26.1236, 28.9319,
36.5557

■ 29.4256, 31.6929,
36.9146

■ 33.1411, 34.7065,
37.3004

■ 37.2854, 37.9809,
37.7140

■ 41.8730, 41.5239,
38.1561

Harmonies

Analogous

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



13.6399, 18.5851, 27.9708



15.2061, 18.5851, 35.1336



17.5683, 18.5851, 38.1875

Triad

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



15.2061, 18.5851, 35.1336



23.1481, 18.5851, 20.5136



15.3578, 18.5851, 10.1124

Complementary

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



15.2061, 18.5851, 35.1336



17.5455, 13.2375, 4.6486

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.



17.7612, 18.5851, 9.0328



15.2061, 18.5851, 35.1336



22.4120, 18.5851, 14.0774

Square

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



15.2061, 18.5851, 35.1336



22.2991, 18.5851, 28.5689



20.3747, 18.5851, 10.2875



13.7213, 18.5851, 13.7049

Rectangle

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



15.2061, 18.5851, 35.1336



19.3331, 18.5851, 37.0258



20.3747, 18.5851, 10.2875



16.0950, 18.5851, 9.4892

Sweetspot

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



15.2067, 18.5858, 35.1341



45.7511, 51.0950, 66.1944



14.9468, 25.6939, 11.5315



10.0040, 11.2509, 14.8880



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



15.2067, 18.5858, 35.1341



24.4616, 29.8490, 63.2156



10.0173, 8.2068, 33.4042



6.6660, 7.1977, 8.4446



9.8063, 11.7041, 27.6495



0.2086, 0.2758, 0.5055

Inverse Universe

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



19.1380, 11.1094, 21.5584



32.5754, 17.0557, 34.6051



23.0370, 24.2204, 6.4791



6.8255, 6.7231, 7.9322



13.7480, 6.8038, 13.4557



0.2626, 0.1284, 0.3291

Previews

White Background



This preview shows how the XYZ color 15.2061, 18.5851, 35.1336 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 15.2061, 18.5851, 35.1336 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 15.2061, 18.5851, 35.1336

Background



This preview shows how black text looks on a background with the XYZ color 15.2061, 18.5851, 35.1336.

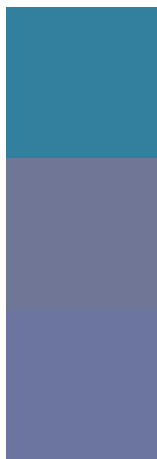


This preview shows how white text looks on a background with the XYZ color 15.2061, 18.5851,

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

15.2061, 18.5851, 35.1336

Protanopia

18.5390, 18.5384, 31.4553

Deuteranopia

18.7699, 18.3864, 35.8174



Tritanopia

13.8739, 18.6367, 28.4572

Trichromacy



Original Color

15.2061, 18.5851, 35.1336

Protanomaly

16.8291, 18.3428, 32.7905

Deuteranomaly

16.9331, 18.1564, 35.4129

Tritanomaly

14.3666, 18.6389, 30.8574

Monochromacy



Original Color

15.2061, 18.5851, 35.1336

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.8271, 15.7941, 22.0585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2061, 18.5851, 35.1336 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(50, 128, 158)` looks like.

```
.text, #text, p{  
    color:rgb(50, 128, 158)  
}
```

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(50, 128, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 128, 158) }
```

Border

The CSS property to change the border of an element to XYZ 15.2061, 18.5851, 35.1336 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(50, 128, 158) }
```


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

```
.border{ border-color:rgb(50, 128, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 128, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 128, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 128, 158);  
box-shadow:4px 4px 4px 4px rgb(50, 128,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2061, 18.5851, 35.1336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 128, 158) }
```

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

```
.background{ background-color: rgb(50, 128,  
158) }
```

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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