

Converting Colors

XYZ(15.5622, 18.1675, 35.0797)

Have a look what the booklet for
XYZ(15.5622, 18.1675, 35.0797)
contains.

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Color

**XYZ(15.5551, 18.1926,
35.0394)**

Conversions

Conversions Part 1

Format	Color
Hex	3F7D9E
RGB	63, 125, 158
RGB Percent	25%, 49%, 62%
CMY	0.7529, 0.5098, 0.3804
CMYK	0.60, 0.21, 0.00, 0.38
HSL	201°, 43%, 43%
HSV	201°, 60%, 62%
XYZ	15.5551, 18.1926, 35.0394
YIQ	110.2240, -47.5450, -2.8810

Conversions

Conversions Part 2

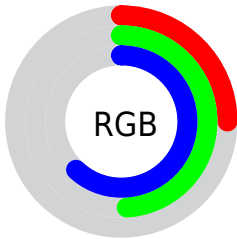
Format	Color
R _Y B	63, 101, 158
Decimal	4160926
CIE Lab	49.73, -9.82, -23.73
CIE LCh	50, 25.681, 247.519
Yxy	18.1926, 0.2261, 0.2645
Android (android.graphics.Color)	4282351006 (0xFF3F7D9E)
YUV	110.2240, 23.5536, -41.4154
Hunter-Lab	42.6528, -9.5450, -18.8500

Details

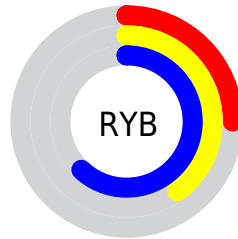
The XYZ color **15.5551, 18.1926, 35.0394** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **19.1814, 15.9947, 6.7798**, and the grayscale version is **14.8302, 15.6025, 16.9912**.

A 20% lighter version of the original color is **35.5384, 40.5668, 68.9079**, and **5.1860, 6.2095, 14.5609** is the 20% darker color. If you saturate the color by 10%, you get **14.0115, 16.3940, 34.7739**, and if you desaturate by 10%, it is **17.4279, 20.2186, 35.3321**.

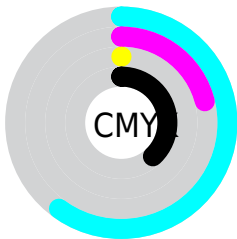
Distribution



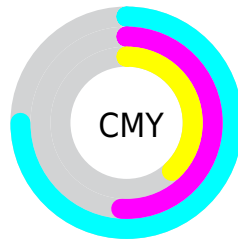
- Red (25%)
- Green (49%)
- Blue (62%)



- Red (25%)
- Yellow (40%)
- Blue (62%)



- Cyan (60%)
- Magenta (21%)
- Yellow (0%)
- Black (38%)



- Cyan (75%)
- Magenta (51%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5551, 18.1926, 35.0394 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 15.5551, 18.1926, 35.0394 by changing the saturation by 10% instead.

■ 15.5551, 18.1926,
35.0394

■ 15.5551, 18.1926,
35.0394

220.0243,
241.9544, 339.6517

■ 9.2987, 11.0884,
23.4094

■ 35.3878, 40.3652,
68.6991

■ 4.9952, 6.1263,
14.6880

■ 49.6949, 56.2024,
91.5658

■ 2.2792, 2.9220,
8.4565

■ 67.4162, 75.7194,
119.0153

■ 0.7840, 1.0912,
4.2965

■ 88.9171, 99.3005,
151.4660

■ 0.0000, 0.0000,
1.7894

■ 114.5631,
127.3301, 189.3364

■ 0.0000, 0.0000,
0.4209

144.7193,

■ 0.0000, 0.0000,

160.1927, 233.0452

0.0000

179.7513,
198.2727, 283.0108

■ 15.5551, 18.1926,
35.0394

■ 15.5551, 18.1926,
35.0394

■ 14.0115, 16.3940,
34.7739

■ 17.4279, 20.2186,
35.3321

■ 12.7691, 14.8065,
34.5330

■ 19.6513, 22.4828,
35.6520

■ 11.7979, 13.4139,
34.3154

■ 22.2466, 24.9976,
36.0006

■ 11.0333, 12.1920,
34.1198

■ 25.2331, 27.7737,
36.3790

■ 28.6285, 30.8210,
36.7882

■ 32.4495, 34.1490,
37.2292

■ 36.7118, 37.7665,
37.7028

■ 41.4301, 41.6821,
38.2099

■ 46.6186, 45.9036,
38.7513

Harmonies

Analogous

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



13.8237, 18.1926, 29.1942



15.5551, 18.1926, 35.0394



17.9141, 18.1926, 36.3837

Triad

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



15.5551, 18.1926, 35.0394



22.3848, 18.1926, 18.0982



14.5830, 18.1926, 10.9323

Complementary

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



15.5551, 18.1926, 35.0394



19.1814, 15.9947, 6.7798

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.



16.6835, 18.1926, 9.2326



15.5551, 18.1926, 35.0394



21.2956, 18.1926, 12.6869

Square

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



15.5551, 18.1926, 35.0394



22.0105, 18.1926, 25.4171



19.1526, 18.1926, 9.7890



13.3004, 18.1926, 15.0926

Rectangle

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



15.5551, 18.1926, 35.0394



19.5564, 18.1926, 34.3128



19.1526, 18.1926, 9.7890



15.2086, 18.1926, 10.1050

Sweetspot

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



15.5557, 18.1933, 35.0398



46.8601, 51.3804, 66.1911



16.3279, 26.3312, 14.9700



10.2015, 11.2527, 14.8780



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.



15.5557, 18.1933, 35.0398



24.6458, 28.7835, 63.0003



11.0062, 9.0943, 33.5233



6.6277, 7.1212, 8.4319



8.8742, 9.8400, 27.3388



0.1968, 0.2521, 0.5015

Inverse Universe

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



19.5803, 12.3055, 20.7458



33.0184, 18.5729, 32.8064



24.6961, 27.0242, 8.6180



6.8062, 6.7154, 7.8305



13.2775, 6.6156, 10.9783



0.2566, 0.1260, 0.2975

Previews

White Background



This preview shows how the XYZ color 15.5551, 18.1926, 35.0394 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 15.5551, 18.1926, 35.0394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

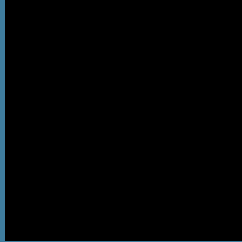
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.5551, 18.1926, 35.0394

Background



This preview shows how black text looks on a background with the XYZ color 15.5551, 18.1926, 35.0394.

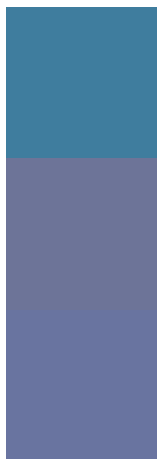


This preview shows how white text looks on a background with the XYZ color 15.5551, 18.1926,

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

15.5551, 18.1926, 35.0394

Protanopia

18.2196, 18.0090, 32.2216

Deuteranopia

18.4163, 18.0321, 35.7676



Tritanopia

13.9007, 18.0867, 27.1845

Trichromacy



Original Color

15.5551, 18.1926, 35.0394

Protanomaly

16.8432, 17.8021, 33.1203

Deuteranomaly

17.0713, 17.8705, 35.3505

Tritanomaly

14.4650, 18.1239, 29.9300

Monochromacy



Original Color

15.5551, 18.1926, 35.0394

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.4757, 16.1209, 22.4274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5551, 18.1926, 35.0394 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(63, 125, 158)` looks like.

```
.text, #text, p{  
    color:rgb(63, 125, 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(63, 125, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 125, 158) }
```

Border

The CSS property to change the border of an element to XYZ 15.5551, 18.1926, 35.0394 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(63, 125, 158) }
```


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

```
.border{ border-color:rgb(63, 125, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 125, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 125, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 125, 158);  
box-shadow:4px 4px 4px 4px rgb(63, 125,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5551, 18.1926, 35.0394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 125, 158) }
```

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

```
.background{ background-color: rgb(63, 125,  
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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