

Converting Colors

XYZ(11.5869, 11.3839, 31.7236)

Have a look what the booklet for
XYZ(11.5869, 11.3839, 31.7236)
contains.

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Color

**XYZ(11.5869, 11.3839,
31.7236)**

Conversions

Conversions Part 1

Format	Color
Hex	3A5F99
RGB	58, 95, 153
RGB Percent	23%, 37%, 60%
CMY	0.7725, 0.6274, 0.4000
CMYK	0.62, 0.38, 0.00, 0.40
HSL	217°, 45%, 41%
HSV	217°, 62%, 60%
XYZ	11.5869, 11.3839, 31.7236
YIQ	90.5490, -40.6700, 10.1940

Conversions

Conversions Part 2

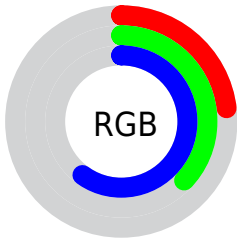
Format	Color
R_{YB}	58, 85, 153
Decimal	3825561
CIE _{Lab}	40.22, 5.59, -35.66
CIE _{LCh}	40, 36.094, 278.917
Yxy	11.3839, 0.2118, 0.2081
Android (android.graphics.Color)	4282015641 (0xFF3A5F99)
YUV	90.5490, 30.7883, -28.5455
Hunter-Lab	33.7400, 2.2549, -32.1286

Details

The XYZ color **11.5869, 11.3839, 31.7236** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **20.1466, 19.5695, 6.7191**, and the grayscale version is **9.7815, 10.2909, 11.2068**.

A 20% lighter version of the original color is **28.3206, 28.3156, 63.6473**, and **3.4473, 3.1362, 12.7356** is the 20% darker color. If you saturate the color by 10%, you get **10.0344, 9.4086, 31.4244**, and if you desaturate by 10%, it is **13.5055, 13.6981, 32.0694**.

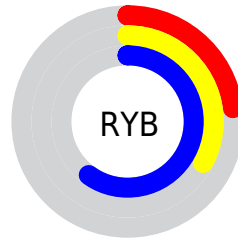
Distribution



Red (23%)

Green (37%)

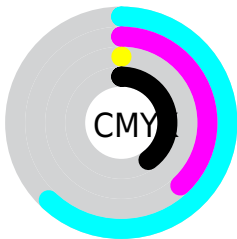
Blue (60%)



Red (23%)

Yellow (33%)

Blue (60%)

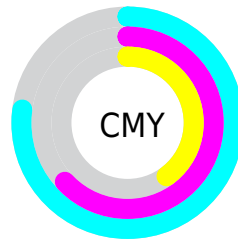


Cyan (62%)

Magenta (38%)

Yellow (0%)

Black (40%)



Cyan (77%)

Magenta (63%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.5869, 11.3839, 31.7236 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 11.5869, 11.3839, 31.7236 by changing the saturation by 10% instead.

■ 11.5869, 11.3839,
31.7236

■ 11.5869, 11.3839,
31.7236

195.4772,
200.2827, 324.3121

■ 6.5332, 6.3257,
20.8874

■ 28.3639, 28.3679,
63.4704

■ 3.2157, 3.0441,
12.8513

■ 40.8179, 41.0625,
85.2181

■ 1.2688, 1.1548,
7.1967

■ 56.4695, 57.0713,
111.4400

■ 0.1597, 0.0243,
3.5051

■ 75.6839, 76.7787,
142.5547

■ 0.0000, 0.0000,
1.3580

■ 98.8265, 100.5692,
178.9807

■ 0.0000, 0.0000,
0.1086

126.2627,

■ 0.0000, 0.0000,

128.8271, 221.1366

0.0000

158.3578,
161.9368, 269.4408

■ 11.5869, 11.3839,
31.7236

■ 11.5869, 11.3839,
31.7236

■ 10.0344, 9.4086,
31.4244

■ 13.5055, 13.6981,
32.0694

■ 8.8190, 7.7514,
31.1686

■ 15.8135, 16.3678,
32.4630

■ 7.9087, 6.3905,
30.9539

■ 18.5338, 19.4095,
32.9068

■ 7.3441, 5.4886,
30.8095

■ 21.6868, 22.8386,
33.4025

■ 25.2916, 26.6691,
33.9519

■ 29.3662, 30.9146,
34.5566

■ 33.9274, 35.5879,
35.2182

■ 38.9912, 40.7010,
35.9382

■ 44.5730, 46.2658,
36.7182

Harmonies

Analogous

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



9.1724, 11.3839, 30.3236



11.5869, 11.3839, 31.7236



14.1503, 11.3839, 26.5914

Triad

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



11.5869, 11.3839, 31.7236



15.0346, 11.3839, 5.5728



6.9068, 11.3839, 8.0516

Complementary

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



11.5869, 11.3839, 31.7236



20.1466, 19.5695, 6.7191

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.



8.0582, 11.3839, 4.4415



11.5869, 11.3839, 31.7236



12.6541, 11.3839, 3.4444

Square

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



11.5869, 11.3839, 31.7236



16.3338, 11.3839, 10.3704



10.0878, 11.3839, 3.1310



6.7120, 11.3839, 14.6676

Rectangle

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



11.5869, 11.3839, 31.7236



15.5113, 11.3839, 21.0063



10.0878, 11.3839, 3.1310



7.1851, 11.3839, 6.5326

Sweetspot

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



11.5873, 11.3843, 31.7239



40.5085, 42.6901, 60.0770



16.2311, 24.9202, 20.1749



8.5870, 9.0433, 13.2104



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



11.5873, 11.3843, 31.7239



16.9429, 15.4777, 56.0665



9.6126, 6.5377, 30.8925



6.0719, 6.4012, 7.8445



6.1004, 4.5974, 25.4736



0.1249, 0.1362, 0.3921

Inverse Universe

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



16.7159, 10.6252, 11.9967



27.3529, 15.4651, 15.6812



23.5698, 28.9726, 8.3536



6.3034, 6.2605, 6.9779



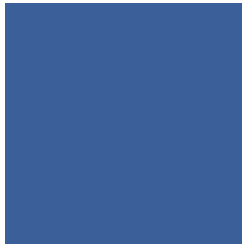
11.5379, 5.8694, 4.0918



0.1895, 0.0946, 0.1509

Previews

White Background



This preview shows how the XYZ color 11.5869, 11.3839, 31.7236 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 11.5869, 11.3839, 31.7236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

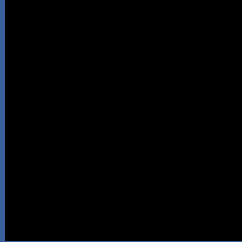
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.5869, 11.3839, 31.7236

Background



This preview shows how black text looks on a background with the XYZ color 11.5869, 11.3839, 31.7236.

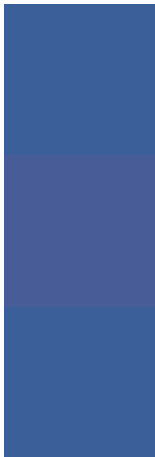


This preview shows how white text looks on a background with the XYZ color 11.5869, 11.3839,

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

11.5869, 11.3839, 31.7236

Protanopia

12.1728, 11.4408, 30.8449

Deuteranopia

11.6456, 11.4141, 31.7263



Tritanopia

8.6743, 11.4826, 17.0884

Trichromacy



Original Color

11.5869, 11.3839, 31.7236

Protanomaly

11.9849, 11.4657, 31.2872

Deuteranomaly

11.6456, 11.4141, 31.7263

Tritanomaly

9.5666, 11.3976, 21.7744

Monochromacy



Original Color

11.5869, 11.3839, 31.7236

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.0889, 10.5315, 17.4206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.5869, 11.3839, 31.7236 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(58, 95, 153)` looks like.

```
.text, #text, p{  
    color:rgb(58, 95, 153)  
}
```

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(58, 95, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 95, 153) }
```

Border

The CSS property to change the border of an element to XYZ 11.5869, 11.3839, 31.7236 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(58, 95, 153) }
```


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

```
.border{ border-color:rgb(58, 95, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 95, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 95, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 95, 153);  
box-shadow:4px 4px 4px 4px rgb(58, 95,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 11.5869, 11.3839, 31.7236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 95, 153) }
```

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

```
.background{ background-color: rgb(58, 95,  
153) }
```

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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