

Converting Colors

XYZ(12.5772, 12.9042, 32.4150)

Have a look what the booklet for
XYZ(12.5772, 12.9042, 32.4150)
contains.

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Color

**XYZ(12.5707, 12.8600,
32.3915)**

Conversions

Conversions Part 1

Format	Color
Hex	3E669A
RGB	62, 102, 154
RGB Percent	24%, 40%, 60%
CMY	0.7568, 0.6000, 0.3961
CMYK	0.60, 0.34, 0.00, 0.40
HSL	214°, 43%, 42%
HSV	214°, 60%, 60%
XYZ	12.5707, 12.8600, 32.3915
YIQ	95.9680, -40.5320, 7.6920

Conversions

Conversions Part 2

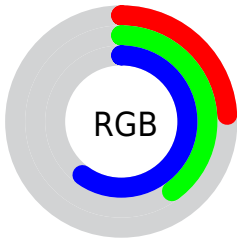
Format	Color
R_{YB}	62, 90, 154
Decimal	4089498
CIE _{Lab}	42.55, 2.37, -32.56
CIE _{LCh}	43, 32.647, 274.164
Yxy	12.8600, 0.2174, 0.2224
Android (android.graphics.Color)	4282279578 (0xFF3E669A)
YUV	95.9680, 28.6098, -29.7899
Hunter-Lab	35.8608, -0.1849, -28.4514

Details

The XYZ color **12.5707, 12.8600, 32.3915** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **20.2138, 19.2532, 7.2089**, and the grayscale version is **11.0508, 11.6263, 12.6611**.

A 20% lighter version of the original color is **30.2360, 31.1678, 64.7440**, and **3.8624, 3.8076, 13.3633** is the 20% darker color. If you saturate the color by 10%, you get **10.9274, 10.8090, 32.0825**, and if you desaturate by 10%, it is **14.5785, 15.2326, 32.7439**.

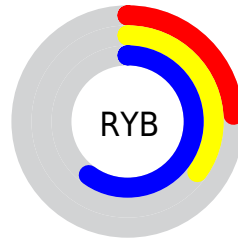
Distribution



Red (24%)

Green (40%)

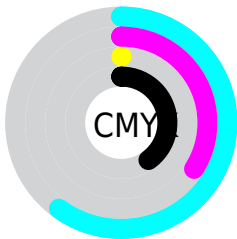
Blue (60%)



Red (24%)

Yellow (35%)

Blue (60%)

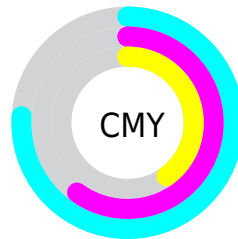


Cyan (60%)

Magenta (34%)

Yellow (0%)

Black (40%)



Cyan (76%)

Magenta (60%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5707, 12.8600, 32.3915 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 12.5707, 12.8600, 32.3915 by changing the saturation by 10% instead.

■ 12.5707, 12.8600,
32.3915

■ 12.5707, 12.8600,
32.3915

201.8414,
210.0185, 327.4463

■ 7.2086, 7.3322,
21.3934

■ 30.1383, 31.0520,
64.5294

■ 3.6404, 3.6707,
13.2178

■ 43.0744, 44.4851,
86.5062

■ 1.5008, 1.4911,
7.4462

■ 59.2659, 61.3220,
112.9797

■ 0.3263, 0.2825,
3.6601

■ 79.0781, 81.9472,
144.3685

■ 0.0000, 0.0000,
1.4408

■ 102.8764,
106.7450, 181.0910

■ 0.0000, 0.0000,
0.1732

131.0262,

■ 0.0000, 0.0000,

136.0999, 223.5657

0.0000

163.8927,
170.3963, 272.2113

■ 12.5707, 12.8600,
32.3915

■ 12.5707, 12.8600,
32.3915

■ 10.9274, 10.8090,
32.0825

■ 14.5785, 15.2326,
32.7439

■ 9.6205, 9.0606,
31.8139

■ 16.9730, 17.9417,
33.1406

■ 8.6199, 7.5950,
31.5837

■ 19.7762, 21.0025,
33.5837

■ 7.8559, 6.3719,
31.3879

■ 23.0080, 24.4289,
34.0747

■ 7.8373, 6.3421,
31.3832

■ 26.6867, 28.2339,
34.6152

■ 30.8297, 32.4297,
35.2067

■ 35.4535, 37.0281,
35.8506

■ 40.5735, 42.0403,
36.5482

■ 46.2045, 47.4769,
37.3008

Harmonies

Analogous

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



10.2702, 12.8600, 30.1337



12.5707, 12.8600, 32.3915



15.0850, 12.8600, 28.5192

Triad

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



12.5707, 12.8600, 32.3915



16.5831, 12.8600, 7.6752



8.4315, 12.8600, 8.8772

Complementary

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



12.5707, 12.8600, 32.3915



20.2138, 19.2532, 7.2089

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.



9.7481, 12.8600, 5.5013



12.5707, 12.8600, 32.3915



14.4090, 12.8600, 4.9889

Square

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



12.5707, 12.8600, 32.3915



17.5906, 12.8600, 13.0390



11.8819, 12.8600, 4.3536



8.0762, 12.8600, 15.0121

Rectangle

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



12.5707, 12.8600, 32.3915



16.4859, 12.8600, 23.5569



11.8819, 12.8600, 4.3536



8.7667, 12.8600, 7.4596

Sweetspot

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



12.5712, 12.8604, 32.3918



42.6666, 45.2870, 62.0288



16.5008, 25.3190, 19.5230



9.2683, 9.8432, 13.9818



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



12.5712, 12.8604, 32.3918



18.9019, 18.3959, 58.0908



9.8433, 6.9582, 31.3963



6.0943, 6.4460, 7.8520



6.4196, 5.2358, 25.5800



0.1312, 0.1488, 0.3942

Inverse Universe

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



17.4477, 11.2751, 13.8275



29.0004, 16.6910, 19.2934



24.8930, 29.8865, 9.0147



6.3147, 6.2651, 7.0375



11.6991, 5.9339, 4.9403



0.1927, 0.0958, 0.1675

Previews

White Background



This preview shows how the XYZ color 12.5707, 12.8600, 32.3915 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 12.5707, 12.8600, 32.3915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

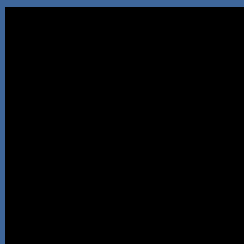
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5707, 12.8600, 32.3915

Background



This preview shows how black text looks on a background with the XYZ color 12.5707, 12.8600, 32.3915.

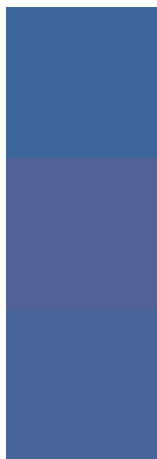


This preview shows how white text looks on a background with the XYZ color 12.5707, 12.8600,

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

12.5707, 12.8600, 32.3915

Protanopia

13.4333, 12.7636, 31.0338

Deuteranopia

13.0624, 12.8252, 32.3589



Tritanopia

9.8654, 12.8261, 19.0953

Trichromacy



Original Color

12.5707, 12.8600, 32.3915

Protanomaly

13.0310, 12.6865, 31.4677

Deuteranomaly

12.8703, 12.8694, 32.3776

Tritanomaly

10.6669, 12.6768, 23.3574

Monochromacy



Original Color

12.5707, 12.8600, 32.3915

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.2347, 11.9045, 18.5353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5707, 12.8600, 32.3915 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(62, 102, 154)` looks like.

```
.text, #text, p{  
    color:rgb(62, 102, 154)  
}
```

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(62, 102, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 102, 154) }
```

Border

The CSS property to change the border of an element to XYZ 12.5707, 12.8600, 32.3915 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(62, 102, 154) }
```


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

```
.border{ border-color:rgb(62, 102, 154) }
```

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

Here you see how a box with a 4 pixel rgb(62, 102, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 102, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 102, 154);  
box-shadow:4px 4px 4px 4px rgb(62, 102,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5707, 12.8600, 32.3915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 102, 154) }
```

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

```
.background{ background-color: rgb(62, 102,  
154) }
```

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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