

Converting Colors

XYZ(12.3807, 13.4719, 32.5528)

Have a look what the booklet for
XYZ(12.3807, 13.4719, 32.5528)
contains.

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Color

**XYZ(12.4058, 13.5266,
32.5289)**

Conversions

Conversions Part 1

Format	Color
Hex	326B9A
RGB	50, 107, 154
RGB Percent	20%, 42%, 60%
CMY	0.8039, 0.5804, 0.3961
CMYK	0.68, 0.31, 0.00, 0.40
HSL	207°, 51%, 40%
HSV	207°, 68%, 60%
XYZ	12.4058, 13.5266, 32.5289
YIQ	95.3150, -49.0590, 2.5330

Conversions

Conversions Part 2

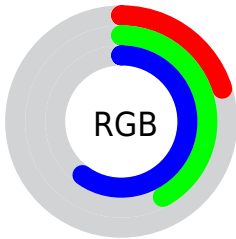
Format	Color
RYB	50, 87, 154
Decimal	3304346
CIELab	43.55, -3.04, -31.03
CIElCh	44, 31.183, 264.413
Yxy	13.5266, 0.2122, 0.2314
Android (android.graphics.Color)	4281494426 (0xFF326B9A)
YUV	95.3150, 28.9317, -39.7413
Hunter-Lab	36.7785, -4.1524, -26.6943

Details

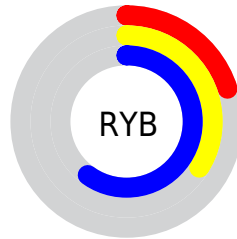
The XYZ color **12.4058, 13.5266, 32.5289** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **18.1775, 15.6506, 5.0810**, and the grayscale version is **10.8945, 11.4618, 12.4819**.

A 20% lighter version of the original color is **29.9198, 32.2453, 64.9686**, and **4.0640, 4.2110, 13.4306** is the 20% darker color. If you saturate the color by 10%, you get **11.0738, 11.8059, 32.2673**, and if you desaturate by 10%, it is **14.0526, 15.4967, 32.8226**.

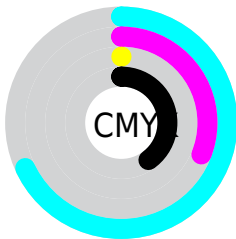
Distribution



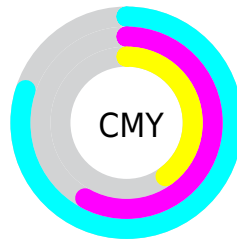
- Red (20%)
- Green (42%)
- Blue (60%)



- Red (20%)
- Yellow (34%)
- Blue (60%)



- Cyan (68%)
- Magenta (31%)
- Yellow (0%)
- Black (40%)



- Cyan (80%)
- Magenta (58%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4058, 13.5266, 32.5289 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 12.4058, 13.5266, 32.5289 by changing the saturation by 10% instead.

■ 12.4058, 13.5266,
32.5289

■ 12.4058, 13.5266,
32.5289

200.7891,
214.2656, 328.0882

■ 7.0948, 7.7922,
21.4976

■ 29.8425, 32.2467,
64.7468

■ 3.5683, 3.9622,
13.2935

■ 42.6990, 46.0011,
86.7706

■ 1.4610, 1.6525,
7.4978

■ 58.8014, 63.1976,
113.2956

■ 0.2990, 0.3926,
3.6922

■ 78.5151, 84.2206,
144.7404

■ 0.0000, 0.0000,
1.4581

■ 102.2053,
109.4545, 181.5235

■ 0.0000, 0.0000,
0.1864

■ 130.2375,

■ 0.0000, 0.0000,

139.2837, 224.0635

0.0000

162.9770,
174.0926, 272.7789

■ 12.4058, 13.5266,
32.5289

■ 12.4058, 13.5266,
32.5289

■ 11.0738, 11.8059,
32.2673

■ 14.0526, 15.4967,
32.8226

■ 10.0269, 10.3167,
32.0350

■ 16.0373, 17.7295,
33.1490

■ 9.2180, 9.0327,
31.8298

■ 18.3820, 20.2384,
33.5097

■ 9.0344, 8.7364,
31.7823

■ 21.1066, 23.0356,
33.9060

■ 24.2294, 26.1323,
34.3392

■ 27.7674, 29.5390,
34.8102

■ 31.7367, 33.2657,
35.3204

■ 36.1524, 37.3218,
35.8705

■ 41.0287, 41.7162,
36.4617

Harmonies

Analogous

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



10.3180, 13.5266, 28.5596



12.4058, 13.5266, 32.5289



14.8923, 13.5266, 30.6398

Triad

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



12.4058, 13.5266, 32.5289



17.6131, 13.5266, 9.8486



9.4100, 13.5266, 8.2175

Complementary

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



12.4058, 13.5266, 32.5289



18.1775, 15.6506, 5.0810

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.



11.0155, 13.5266, 5.5761



12.4058, 13.5266, 32.5289



15.7809, 13.5266, 6.2882

Square

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



12.4058, 13.5266, 32.5289



18.1069, 13.5266, 16.0737



13.3182, 13.5266, 5.0024



8.7341, 13.5266, 13.4599

Rectangle

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



12.4058, 13.5266, 32.5289



16.4227, 13.5266, 26.5446



13.3182, 13.5266, 5.0024



9.8482, 13.5266, 7.0714

Sweetspot

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



12.4063, 13.5271, 32.5292



42.3092, 45.7987, 62.1464



15.0199, 24.6491, 15.2273



9.2366, 10.0301, 14.0196



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.



12.4063, 13.5271, 32.5292



19.0860, 20.0173, 58.3941



8.5244, 5.7633, 31.2353



6.1509, 6.5592, 7.8708



7.3966, 7.1899, 25.9056



0.1469, 0.1801, 0.3994

Inverse Universe

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



17.1213, 10.2133, 14.9793



28.7874, 15.4347, 21.7826



24.6184, 28.5324, 7.2280



6.3433, 6.2765, 7.1879



12.1922, 6.1311, 7.5372



0.2006, 0.0990, 0.2092

Previews

White Background



This preview shows how the XYZ color 12.4058, 13.5266, 32.5289 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 12.4058, 13.5266, 32.5289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

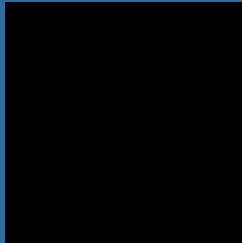
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4058, 13.5266, 32.5289

Background



This preview shows how black text looks on a background with the XYZ color 12.4058, 13.5266, 32.5289.

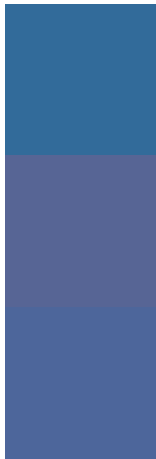


This preview shows how white text looks on a background with the XYZ color 12.4058, 13.5266,

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

12.4058, 13.5266, 32.5289

Protanopia

14.0090, 13.5035, 30.3019

Deuteranopia

13.7283, 13.4471, 32.8823



Tritanopia

9.9247, 13.4766, 20.4905

Trichromacy



Original Color

12.4058, 13.5266, 32.5289

Protanomaly

13.2602, 13.3907, 31.1639

Deuteranomaly

13.1814, 13.4605, 32.9137

Tritanomaly

10.7505, 13.4834, 24.5902

Monochromacy



Original Color

12.4058, 13.5266, 32.5289

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.8387, 11.8469, 18.2384

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4058, 13.5266, 32.5289 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, 107, 154)` looks like.

```
.text, #text, p{  
    color:rgb(50, 107, 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(50, 107, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 107, 154) }
```

Border

The CSS property to change the border of an element to XYZ 12.4058, 13.5266, 32.5289 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, 107, 154) }
```


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

```
.border{ border-color:rgb(50, 107, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 107, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 107, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 107, 154);  
box-shadow:4px 4px 4px 4px rgb(50, 107,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4058, 13.5266, 32.5289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 107, 154) }
```

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

```
.background{ background-color: rgb(50, 107,  
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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