

Converting Colors

XYZ(12.1190, 12.4743, 26.1951)

Have a look what the booklet for
XYZ(12.1190, 12.4743, 26.1951)
contains.

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Color

**XYZ(12.1190, 12.4743,
26.1951)**

Conversions

Conversions Part 1

Format	Color
Hex	4B648B
RGB	75, 100, 139
RGB Percent	29%, 39%, 55%
CMY	0.7059, 0.6078, 0.4549
CMYK	0.46, 0.28, 0.00, 0.45
HSL	217°, 30%, 42%
HSV	217°, 46%, 55%
XYZ	12.1190, 12.4743, 26.1951
YIQ	96.9710, -27.4190, 6.8290

Conversions

Conversions Part 2

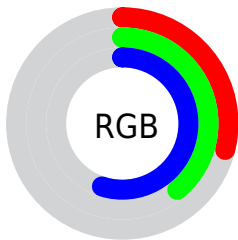
Format	Color
R _Y B	75, 93, 139
Decimal	4940939
CIE Lab	41.96, 1.83, -24.46
CIE LCh	42, 24.526, 274.281
Yxy	12.4743, 0.2386, 0.2456
Android (android.graphics.Color)	4283131019 (0xFF4B648B)
YUV	96.9710, 20.7203, -19.2686
Hunter-Lab	35.3190, -0.5595, -19.2505

Details

The XYZ color **12.1190, 12.4743, 26.1951** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **17.9350, 18.0319, 9.1923**, and the grayscale version is **11.3111, 11.9001, 12.9593**.

A 20% lighter version of the original color is **29.4446, 30.4955, 54.7864**, and **3.4757, 3.5418, 9.9516** is the 20% darker color. If you saturate the color by 10%, you get **10.3777, 10.4328, 25.8931**, and if you desaturate by 10%, it is **14.1832, 14.8081, 26.5370**.

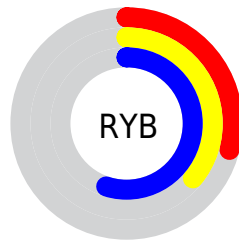
Distribution



Red (29%)

Green (39%)

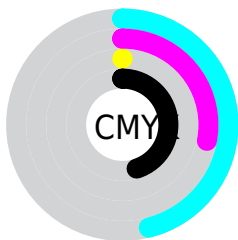
Blue (55%)



Red (29%)

Yellow (36%)

Blue (55%)

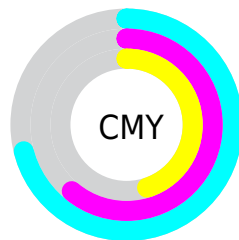


Cyan (46%)

Magenta (28%)

Yellow (0%)

Black (45%)



Cyan (71%)

Magenta (61%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1190, 12.4743, 26.1951 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 12.1190, 12.4743, 26.1951 by changing the saturation by 10% instead.

■ 12.1190, 12.4743,
26.1951

■ 12.1190, 12.4743,
26.1951

■ 198.9454,
207.5205, 297.3744

■ 6.8975, 7.0676,
16.7426

■ 29.3266, 30.3560,
54.5775

■ 3.4439, 3.5044,
9.8911

■ 42.0435, 43.5999,
74.3444

■ 1.3926, 1.4004,
5.2222

■ 57.9896, 60.2248,
98.3865

■ 0.2509, 0.2170,
2.3172

■ 77.5302, 80.6153,
127.1224

■ 0.0000, 0.0000,
0.7408

■ 101.0308,
105.1557, 160.9706

■ 0.0000, 0.0000,
0.0000

128.8566,

134.2304, 200.3497

161.3730,
168.2239, 245.6781

■ 12.1190, 12.4743,
26.1951

■ 12.1190, 12.4743,
26.1951

■ 10.3777, 10.4328,
25.8931

■ 14.1832, 14.8081,
26.5370

■ 8.9398, 8.6692,
25.6284

■ 16.5857, 17.4452,
26.9194

■ 7.7856, 7.1693,
25.3998

■ 19.3424, 20.3974,
27.3439

■ 6.8920, 5.9172,
25.2052

■ 22.4678, 23.6756,
27.8120

■ 6.2246, 4.8906,
25.0422

■ 25.9755, 27.2901,
28.3247

■ 5.9933, 4.5302,
24.9848

■ 29.8784, 31.2506,
28.8835

■ 34.1888, 35.5665,
29.4894

■ 38.9184, 40.2469,
30.1435

■ 44.0785, 45.3003,
30.8469

Harmonies

Analogous

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



10.4047, 12.4743, 24.7314



12.1190, 12.4743, 26.1951



13.9340, 12.4743, 23.6349

Triad

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



12.1190, 12.4743, 26.1951



14.9822, 12.4743, 8.6924



8.9805, 12.4743, 9.6883

Complementary

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



12.1190, 12.4743, 26.1951



17.9350, 18.0319, 9.1923

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.



9.9964, 12.4743, 6.8815



12.1190, 12.4743, 26.1951



13.4373, 12.4743, 6.4179

Square

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



12.1190, 12.4743, 26.1951



15.6907, 12.4743, 12.8495



11.5977, 12.4743, 5.8513



8.7040, 12.4743, 14.3426

Rectangle

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



12.1190, 12.4743, 26.1951



14.9235, 12.4743, 20.2975



11.5977, 12.4743, 5.8513



9.2414, 12.4743, 8.5405

Sweetspot

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



12.1194, 12.4748, 26.1954



35.5629, 37.5054, 49.1079



15.1378, 21.1627, 19.0284



7.9582, 8.3921, 11.2798



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.1194, 12.4748, 26.1954



18.5407, 18.6307, 46.3619



10.6044, 8.6637, 25.5396



4.9245, 5.1919, 6.3484



5.4250, 4.1204, 22.5551



0.0496, 0.0544, 0.1543

Inverse Universe

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



15.4641, 11.4416, 13.4505



25.4581, 17.1502, 19.8559



20.1127, 23.9275, 10.2155



5.1085, 5.0788, 5.6598



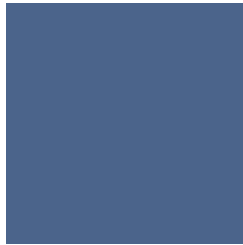
10.2251, 5.2002, 3.6898



0.0748, 0.0373, 0.0605

Previews

White Background



This preview shows how the XYZ color 12.1190, 12.4743, 26.1951 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 12.1190, 12.4743, 26.1951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

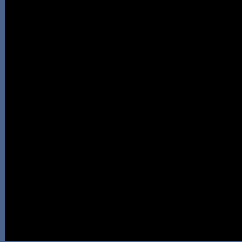
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1190, 12.4743, 26.1951

Background



This preview shows how black text looks on a background with the XYZ color 12.1190, 12.4743, 26.1951.

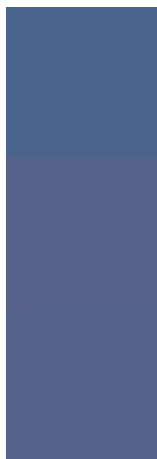


This preview shows how white text looks on a background with the XYZ color 12.1190, 12.4743,

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

12.1190, 12.4743, 26.1951

Protanopia

12.7205, 12.3818, 25.3864

Deuteranopia

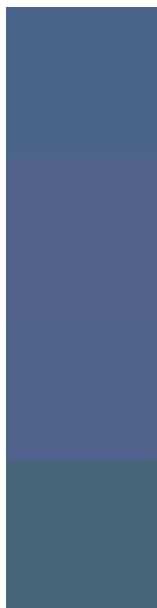
12.7575, 12.5136, 26.5539



Tritanopia

10.3470, 12.4887, 17.4880

Trichromacy



Original Color

12.1190, 12.4743, 26.1951

Protanomaly

12.5224, 12.4093, 25.7800

Deuteranomaly

12.5888, 12.5665, 26.5730

Tritanomaly

10.8889, 12.4077, 20.2334

Monochromacy



Original Color

12.1190, 12.4743, 26.1951

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.4121, 12.0291, 17.0496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1190, 12.4743, 26.1951 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(75, 100, 139)` looks like.

```
.text, #text, p{  
    color:rgb(75, 100, 139)  
}
```

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(75, 100, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 100, 139) }
```

Border

The CSS property to change the border of an element to XYZ 12.1190, 12.4743, 26.1951 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(75, 100, 139) }
```


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

```
.border{ border-color:rgb(75, 100, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 100, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 100, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 100, 139);  
box-shadow:4px 4px 4px 4px rgb(75, 100,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1190, 12.4743, 26.1951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 100, 139) }
```

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

```
.background{ background-color: rgb(75, 100,  
139) }
```

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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