

Converting Colors

XYZ(12.0011, 12.1384, 26.2050)

Have a look what the booklet for
XYZ(12.0011, 12.1384, 26.2050)
contains.

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Color

**XYZ(12.0084, 12.1359,
26.1357)**

Conversions

Conversions Part 1

Format	Color
Hex	4C628B
RGB	76, 98, 139
RGB Percent	30%, 38%, 55%
CMY	0.7019, 0.6157, 0.4549
CMYK	0.45, 0.29, 0.00, 0.45
HSL	219°, 29%, 42%
HSV	219°, 45%, 55%
XYZ	12.0084, 12.1359, 26.1357
YIQ	96.0960, -26.2730, 8.0870

Conversions

Conversions Part 2

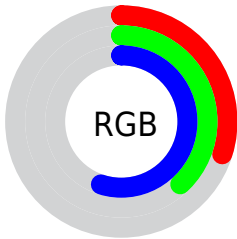
Format	Color
R_{YB}	76, 92, 139
Decimal	5005963
CIE _{Lab}	41.43, 3.34, -25.28
CIE _{LCh}	41, 25.496, 277.533
Yxy	12.1359, 0.2388, 0.2414
Android (android.graphics.Color)	4283196043 (0xFF4C628B)
YUV	96.0960, 21.1517, -17.6242
Hunter-Lab	34.8366, 0.5660, -20.0959

Details

The XYZ color **12.0084, 12.1359, 26.1357** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **18.3138, 18.7341, 9.4889**, and the grayscale version is **11.0967, 11.6746, 12.7136**.

A 20% lighter version of the original color is **29.1176, 29.6193, 54.6345**, and **3.4079, 3.3714, 9.9223** is the 20% darker color. If you saturate the color by 10%, you get **10.2220, 10.0288, 25.8234**, and if you desaturate by 10%, it is **14.1300, 14.5583, 26.4917**.

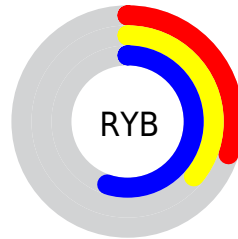
Distribution



Red (30%)

Green (38%)

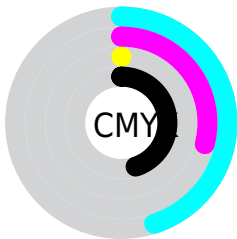
Blue (55%)



Red (30%)

Yellow (36%)

Blue (55%)

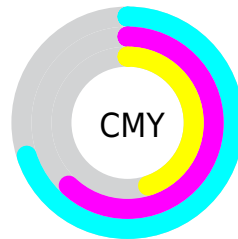


Cyan (45%)

Magenta (29%)

Yellow (0%)

Black (45%)



Cyan (70%)

Magenta (62%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0084, 12.1359, 26.1357 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 12.0084, 12.1359, 26.1357 by changing the saturation by 10% instead.

■ 12.0084, 12.1359,
26.1357

■ 12.0084, 12.1359,
26.1357

198.2297,
205.3029, 297.0742

■ 6.8216, 6.8363,
16.6985

■ 29.1271, 29.7424,
54.4806

■ 3.3961, 3.3599,
9.8601

■ 41.7898, 42.8180,
74.2253

■ 1.3665, 1.3224,
5.2019

■ 57.6752, 59.2545,
98.2430

■ 0.2322, 0.1585,
2.3054

■ 77.1486, 79.4362,
126.9521

■ 0.0000, 0.0000,
0.7342

■ 100.5754,
103.7475, 160.7713

■ 0.0000, 0.0000,
0.0000

128.3209,

132.5728, 200.1190

160.7506,
166.2965, 245.4138

■ 12.0084, 12.1359,
26.1357

■ 12.0084, 12.1359,
26.1357

■ 10.2220, 10.0288,
25.8234

■ 14.1300, 14.5583,
26.4917

■ 8.7508, 8.2214,
25.5520

■ 16.6026, 17.3079,
26.8921

■ 7.5745, 6.6983,
25.3201

■ 19.4427, 20.3977,
27.3388

■ 6.6696, 5.4423,
25.1253

■ 22.6650, 23.8396,
27.8333

■ 6.0043, 4.4313,
24.9652

■ 26.2838, 27.6447,
28.3770

■ 5.7393, 4.0222,
24.9002

■ 30.3122, 31.8237,
28.9713

■ 34.7630, 36.3868,
29.6175

■ 39.6483, 41.3438,
30.3168

■ 44.9797, 46.7042,
31.0705

Harmonies

Analogous

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



10.2257, 12.1359, 25.0687



12.0084, 12.1359, 26.1357



13.8452, 12.1359, 23.0734

Triad

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



12.0084, 12.1359, 26.1357



14.5982, 12.1359, 7.9200



8.5448, 12.1359, 9.6845

Complementary

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



12.0084, 12.1359, 26.1357



18.3138, 18.7341, 9.4889

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.



9.4969, 12.1359, 6.6599



12.0084, 12.1359, 26.1357



12.9511, 12.1359, 5.8479

Square

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



12.0084, 12.1359, 26.1357



15.4411, 12.1359, 11.9204



11.0738, 12.1359, 5.4581



8.3500, 12.1359, 14.5978

Rectangle

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



12.0084, 12.1359, 26.1357



14.8107, 12.1359, 19.4854



11.0738, 12.1359, 5.4581



8.7816, 12.1359, 8.4571

Sweetspot

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



12.0088, 12.1363, 26.1360



35.3733, 37.1262, 49.0447



15.4215, 21.2853, 20.1104



7.9094, 8.2946, 11.2636



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.



12.0088, 12.1363, 26.1360



18.3485, 18.0113, 46.2524



11.0325, 8.9860, 25.5794



4.9082, 5.1594, 6.3430



5.1949, 3.6601, 22.4784



0.0473, 0.0498, 0.1536

Inverse Universe

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



15.4369, 11.5403, 12.9695



25.4185, 17.3540, 18.9699



19.6746, 23.6977, 10.3753



5.1003, 5.0756, 5.6166



10.1089, 5.1537, 3.0781



0.0736, 0.0368, 0.0544

Previews

White Background



This preview shows how the XYZ color 12.0084, 12.1359, 26.1357 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 12.0084, 12.1359, 26.1357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

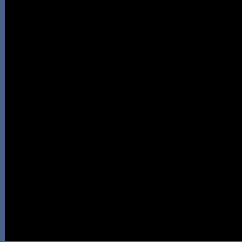
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

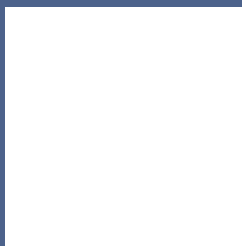
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.0084, 12.1359, 26.1357

Background



This preview shows how black text looks on a background with the XYZ color 12.0084, 12.1359, 26.1357.

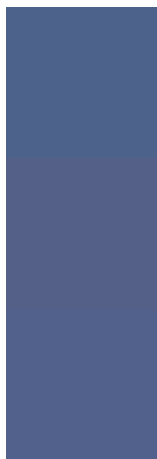


This preview shows how white text looks on a background with the XYZ color 12.0084, 12.1359,

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

12.0084, 12.1359, 26.1357

Protanopia

12.4445, 12.1032, 25.3472

Deuteranopia

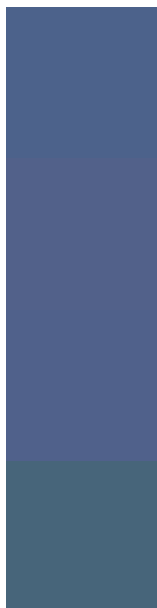
12.4146, 12.2073, 26.1280



Tritanopia

10.1588, 12.0993, 17.1292

Trichromacy



Original Color

12.0084, 12.1359, 26.1357

Protanomaly

12.3418, 12.1782, 25.7449

Deuteranomaly

12.2432, 12.1189, 26.1200

Tritanomaly

10.7651, 12.0521, 20.1713

Monochromacy



Original Color

12.0084, 12.1359, 26.1357

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.3191, 11.8431, 17.0186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0084, 12.1359, 26.1357 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(76, 98, 139)` looks like.

```
.text, #text, p{  
    color:rgb(76, 98, 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(76, 98, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 98, 139) }
```

Border

The CSS property to change the border of an element to XYZ 12.0084, 12.1359, 26.1357 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(76, 98, 139) }
```


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

```
.border{ border-color:rgb(76, 98, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 98, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 98, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 98, 139);  
box-shadow:4px 4px 4px 4px rgb(76, 98,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0084, 12.1359, 26.1357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 98, 139) }
```

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

```
.background{ background-color: rgb(76, 98,  
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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