

Converting Colors

XYZ(12.8527, 11.7131, 26.5752)

Have a look what the booklet for
XYZ(12.8527, 11.7131, 26.5752)
contains.

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Color

**XYZ(12.8752, 11.7719,
26.4046)**

Conversions

Conversions Part 1

Format	Color
Hex	5B5C8C
RGB	91, 92, 140
RGB Percent	36%, 36%, 55%
CMY	0.6431, 0.6392, 0.4510
CMYK	0.35, 0.34, 0.00, 0.45
HSL	239°, 21%, 45%
HSV	239°, 35%, 55%
XYZ	12.8752, 11.7719, 26.4046
YIQ	97.1730, -16.0040, 14.7160

Conversions

Conversions Part 2

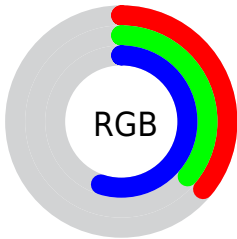
Format	Color
R_{YB}	91, 92, 140
Decimal	5987468
CIE _{Lab}	40.85, 11.74, -26.70
CIE _{LCh}	41, 29.168, 293.734
Yxy	11.7719, 0.2522, 0.2306
Android (android.graphics.Color)	4284177548 (0xFF5B5C8C)
YUV	97.1730, 21.1137, -5.4137
Hunter-Lab	34.3102, 6.9408, -21.6115

Details

The XYZ color **12.8752, 11.7719, 26.4046** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **21.9366, 24.7966, 13.5282**, and the grayscale version is **11.3577, 11.9492, 13.0126**.

A 20% lighter version of the original color is **30.7383, 29.0807, 55.0320**, and **3.7773, 3.1844, 10.0884** is the 20% darker color. If you saturate the color by 10%, you get **10.5393, 8.9610, 25.9854**, and if you desaturate by 10%, it is **15.6845, 15.1466, 26.9081**.

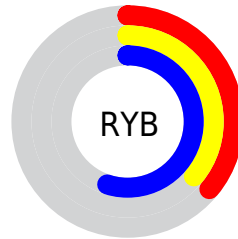
Distribution



Red (36%)

Green (36%)

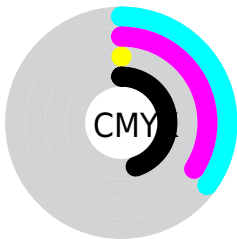
Blue (55%)



Red (36%)

Yellow (36%)

Blue (55%)

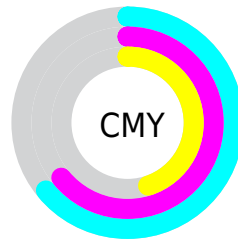


Cyan (35%)

Magenta (34%)

Yellow (0%)

Black (45%)



Cyan (64%)

Magenta (64%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8752, 11.7719, 26.4046 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 12.8752, 11.7719, 26.4046 by changing the saturation by 10% instead.

■ 12.8752, 11.7719,
26.4046

■ 12.8752, 11.7719,
26.4046

203.7701,
202.8893, 298.4310

■ 7.4191, 6.5886,
16.8981

■ 30.6826, 29.0790,
54.9190

■ 3.7742, 3.2061,
10.0007

■ 43.7646, 41.9715,
74.7640

■ 1.5752, 1.2403,
5.2938

■ 60.1193, 58.2025,
98.8923

■ 0.3762, 0.0942,
2.3589

■ 80.1120, 78.1565,
127.7223

■ 0.0000, 0.0000,
0.7639

■ 104.1080,
102.2178, 161.6726

■ 0.0000, 0.0000,
0.0000

132.4729,

130.7707, 201.1619

165.5718,
164.1998, 246.6085

■ 12.8752, 11.7719,
26.4046

■ 12.8752, 11.7719,
26.4046

■ 10.5393, 8.9610,
25.9854

■ 15.6845, 15.1466,
26.9081

■ 8.6496, 6.6820,
25.6451

■ 18.9900, 19.1121,
27.4993

■ 7.1780, 4.9018,
25.3790

■ 22.8145, 23.6952,
28.1824

■ 6.0929, 3.5829,
25.1816

■ 27.1788, 28.9207,
28.9610

■ 5.3580, 2.6829,
25.0467

■ 32.1029, 34.8122,
29.8386

■ 4.9268, 2.1495,
24.9664

■ 37.6055, 41.3918,
30.8186

■ 4.7647, 1.9554,
24.9375

■ 43.7048, 48.6808,
31.9040

■ 50.4177, 56.6995,
33.0980

■ 57.7608, 65.4674,
34.4034

Harmonies

Analogous

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



10.7584, 11.7719, 27.8877



12.8752, 11.7719, 26.4046



14.7292, 11.7719, 20.8475

Triad

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



12.8752, 11.7719, 26.4046



13.7225, 11.7719, 5.6283



7.6687, 11.7719, 11.6089

Complementary

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



12.8752, 11.7719, 26.4046



21.9366, 24.7966, 13.5282

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.



8.2667, 11.7719, 7.1706



12.8752, 11.7719, 26.4046



11.6306, 11.7719, 4.4762

Square

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



12.8752, 11.7719, 26.4046



15.2593, 11.7719, 8.7417



9.6566, 11.7719, 4.9372



7.9154, 11.7719, 17.9967

Rectangle

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



12.8752, 11.7719, 26.4046



15.4792, 11.7719, 16.2971



9.6566, 11.7719, 4.9372



7.7750, 11.7719, 9.8723

Sweetspot

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



12.8756, 11.7723, 26.4049



36.5917, 37.4251, 49.0381



18.3069, 22.8263, 27.6255



8.2410, 8.3952, 11.2655



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.



12.8756, 11.7723, 26.4049



19.3843, 16.7658, 45.9574



15.3973, 12.9447, 26.4983



4.7823, 4.9075, 6.3010



4.2354, 1.7411, 22.1585



0.0291, 0.0134, 0.1475

Inverse Universe

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



16.4885, 13.8309, 11.9262



26.7510, 20.9871, 16.4297



18.6209, 23.3030, 13.4146



5.0367, 5.0501, 5.2819



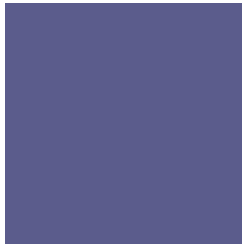
9.6246, 4.9600, 0.5277



0.0644, 0.0331, 0.0060

Previews

White Background



This preview shows how the XYZ color 12.8752, 11.7719, 26.4046 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 12.8752, 11.7719, 26.4046 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 12.8752, 11.7719, 26.4046

Background



This preview shows how black text looks on a background with the XYZ color 12.8752, 11.7719, 26.4046.

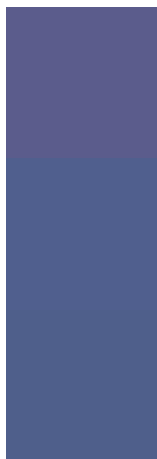


This preview shows how white text looks on a background with the XYZ color 12.8752, 11.7719,

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

12.8752, 11.7719, 26.4046

Protanopia

12.2830, 11.8429, 27.2297

Deuteranopia

11.9769, 11.7108, 26.0553



Tritanopia

10.6830, 11.8242, 15.6292

Trichromacy



Original Color

12.8752, 11.7719, 26.4046

Protanomaly

12.4666, 11.8133, 26.8224

Deuteranomaly

12.2302, 11.7085, 26.0415

Tritanomaly

11.3504, 11.6761, 19.1082

Monochromacy



Original Color

12.8752, 11.7719, 26.4046

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.7922, 11.8096, 17.2807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8752, 11.7719, 26.4046 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(91, 92, 140)` looks like.

```
.text, #text, p{  
    color:rgb(91, 92, 140)  
}
```

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(91, 92, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 92, 140) }
```

Border

The CSS property to change the border of an element to XYZ 12.8752, 11.7719, 26.4046 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(91, 92, 140) }
```


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

```
.border{ border-color:rgb(91, 92, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 92, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 92, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 92, 140);  
box-shadow:4px 4px 4px 4px rgb(91, 92,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8752, 11.7719, 26.4046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 92, 140) }
```

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

```
.background{ background-color: rgb(91, 92,  
140) }
```

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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