

Converting Colors

XYZ(14.7767, 12.0077, 26.5060)

Have a look what the booklet for
XYZ(14.7767, 12.0077, 26.5060)
contains.

XYZ(14.7435, 11.9938, 26.3489)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(14.7435, 11.9938,
26.3489)**

Conversions

Conversions Part 1

Format	Color
Hex	70568C
RGB	112, 86, 140
RGB Percent	44%, 34%, 55%
CMY	0.5608, 0.6627, 0.4510
CMYK	0.20, 0.39, 0.00, 0.45
HSL	269°, 24%, 44%
HSV	269°, 39%, 55%
XYZ	14.7435, 11.9938, 26.3489
YIQ	99.9300, -1.8380, 22.3060

Conversions

Conversions Part 2

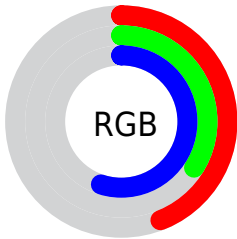
Format	Color
R _Y B	112, 86, 140
Decimal	7362188
CIE Lab	41.21, 22.07, -26.00
CIE LCh	41, 34.107, 310.330
Yxy	11.9938, 0.2777, 0.2259
Android (android.graphics.Color)	4285552268 (0xFF70568C)
YUV	99.9300, 19.7545, 10.5854
Hunter-Lab	34.6321, 15.3846, -20.8668

Details

The XYZ color **14.7435, 11.9938, 26.3489** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **17.9976, 23.0058, 12.2966**, and the grayscale version is **12.0473, 12.6747, 13.8027**.

A 20% lighter version of the original color is **34.0588, 29.5027, 54.9384**, and **4.6542, 3.3125, 10.0669** is the 20% darker color. If you saturate the color by 10%, you get **12.8466, 9.5162, 25.9708**, and if you desaturate by 10%, it is **16.9347, 14.9487, 26.8040**.

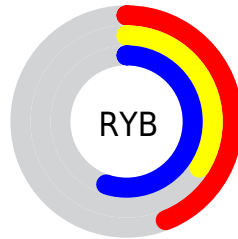
Distribution



Red (44%)

Green (34%)

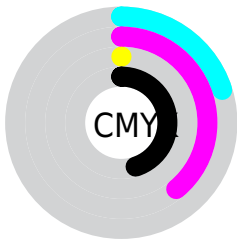
Blue (55%)



Red (44%)

Yellow (34%)

Blue (55%)

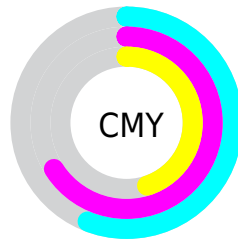


Cyan (20%)

Magenta (39%)

Yellow (0%)

Black (45%)



Cyan (56%)

Magenta (66%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7435, 11.9938, 26.3489 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 14.7435, 11.9938, 26.3489 by changing the saturation by 10% instead.

■ 14.7435, 11.9938,
26.3489

■ 14.7435, 11.9938,
26.3489

215.2277,
204.3642, 298.1504

■ 8.7247, 6.7395,
16.8567

■ 33.9779, 29.4838,
54.8283

■ 4.6177, 3.2997,
9.9715

■ 47.9243, 42.4883,
74.6525

■ 2.0572, 1.2901,
5.2747

■ 65.2439, 58.8449,
98.7579

■ 0.6658, 0.1335,
2.3478

■ 86.3020, 78.9381,
127.5629

■ 0.0000, 0.0000,
0.7578

■ 111.4642,
103.1522, 161.4862

■ 0.0000, 0.0000,
0.0000

141.0956,

131.8717, 200.9461

175.5616,
165.4809, 246.3614

■ 14.7435, 11.9938,
26.3489

■ 14.7435, 11.9938,
26.3489

■ 12.8466, 9.5162,
25.9708

■ 16.9347, 14.9487,
26.8040

■ 11.2282, 7.4878,
25.6646

■ 19.4324, 18.4040,
27.3393

■ 9.8726, 5.8799,
25.4257

■ 22.2496, 22.3827,
27.9588

■ 8.7621, 4.6595,
25.2487

■ 25.3982, 26.9064,
28.6660

■ 7.8761, 3.7885,
25.1273

■ 28.8893, 31.9951,
29.4642

7.1705, 3.1819,
25.0474

32.7337, 37.6678,
30.3565

7.0764, 3.1012,
25.0368

36.9415, 43.9429,
31.3459

41.5224, 50.8375,
32.4353

46.4859, 58.3685,
33.6273

Harmonies

Analogous

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



12.2692, 11.9938, 31.4358



14.7435, 11.9938, 26.3489



16.4596, 11.9938, 18.1708

Triad

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



14.7435, 11.9938, 26.3489



13.0673, 11.9938, 4.0052



7.3505, 11.9938, 15.6423

Complementary

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



14.7435, 11.9938, 26.3489



17.9976, 23.0058, 12.2966

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.



7.5003, 11.9938, 9.0092



14.7435, 11.9938, 26.3489



10.5724, 11.9938, 3.7511

Square

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



14.7435, 11.9938, 26.3489



15.3996, 11.9938, 6.1072



8.6041, 11.9938, 5.2147



8.1605, 11.9938, 23.9358

Rectangle

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



14.7435, 11.9938, 26.3489



16.8146, 11.9938, 12.9814



8.6041, 11.9938, 5.2147



7.2935, 11.9938, 13.1374

Sweetspot

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



14.7439, 11.9943, 26.3492



37.3306, 36.7682, 48.8724



14.6798, 16.0883, 27.1428



8.4739, 8.2913, 11.2332



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.



14.7439, 11.9943, 26.3492



23.1506, 17.4219, 45.8856



18.5761, 13.9699, 26.5285



4.9888, 5.0027, 6.3085



6.3103, 2.7672, 22.2472



0.0587, 0.0270, 0.1486

Inverse Universe

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



17.1807, 13.4464, 17.6100



28.2178, 20.4433, 27.6389



15.0638, 21.4933, 12.1593



5.1340, 5.0891, 5.7944



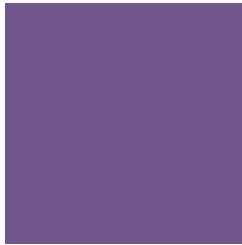
10.6764, 5.3807, 6.0665



0.0783, 0.0387, 0.0793

Previews

White Background



This preview shows how the XYZ color 14.7435, 11.9938, 26.3489 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 14.7435, 11.9938, 26.3489 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 14.7435, 11.9938, 26.3489

Background



This preview shows how black text looks on a background with the XYZ color 14.7435, 11.9938, 26.3489.



This preview shows how white text looks on a background with the XYZ color 14.7435, 11.9938,

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

14.7435, 11.9938, 26.3489

Protanopia

12.7526, 12.1661, 29.6931

Deuteranopia

12.3376, 12.0397, 25.7184



Tritanopia

12.1774, 11.9483, 13.9763

Trichromacy



Original Color

14.7435, 11.9938, 26.3489

Protanomaly

13.2524, 11.9228, 28.3909

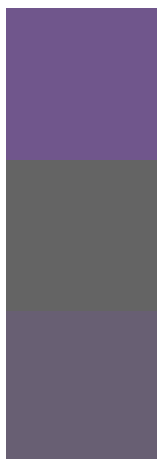
Deuteranomaly

13.1034, 11.8981, 26.0320

Tritanomaly

13.0199, 11.9081, 17.8319

Monochromacy



Original Color

14.7435, 11.9938, 26.3489

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.8956, 12.3653, 17.9267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7435, 11.9938, 26.3489 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(112, 86, 140)` looks like.

```
.text, #text, p{  
    color:rgb(112, 86, 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(112, 86, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 86, 140) }
```

Border

The CSS property to change the border of an element to XYZ 14.7435, 11.9938, 26.3489 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(112, 86, 140) }
```


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

```
.border{ border-color:rgb(112, 86, 140) }
```

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

Here you see how a box with a 4 pixel rgb(112, 86, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 86, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 86, 140);  
box-shadow:4px 4px 4px 4px rgb(112, 86,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7435, 11.9938, 26.3489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 86, 140) }
```

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

```
.background{ background-color: rgb(112, 86,  
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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