

Converting Colors

XYZ(11.8420, 12.9855, 26.4301)

Have a look what the booklet for
XYZ(11.8420, 12.9855, 26.4301)
contains.

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Color

**XYZ(11.7905, 12.8885,
26.2924)**

Conversions

Conversions Part 1

Format	Color
Hex	41688B
RGB	65, 104, 139
RGB Percent	25%, 41%, 55%
CMY	0.7451, 0.5922, 0.4549
CMYK	0.53, 0.25, 0.00, 0.45
HSL	208°, 36%, 40%
HSV	208°, 53%, 55%
XYZ	11.7905, 12.8885, 26.2924
YIQ	96.3290, -34.4790, 2.6170

Conversions

Conversions Part 2

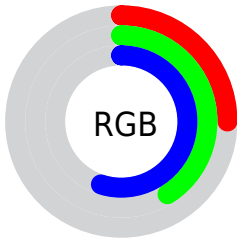
Format	Color
R _{YB}	65, 91, 139
Decimal	4286603
CIE Lab	42.59, -3.20, -23.52
CIE LCh	43, 23.734, 262.254
Yxy	12.8885, 0.2313, 0.2529
Android (android.graphics.Color)	4282476683 (0xFF41688B)
YUV	96.3290, 21.0368, -27.4755
Hunter-Lab	35.9006, -4.2028, -18.2917

Details

The XYZ color **11.7905, 12.8885, 26.2924** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **16.1593, 14.9857, 7.0425**, and the grayscale version is **11.1550, 11.7359, 12.7804**.

A 20% lighter version of the original color is **28.8182, 31.1445, 54.9447**, and **3.3039, 3.6669, 9.9848** is the 20% darker color. If you saturate the color by 10%, you get **10.3450, 11.1991, 26.0427**, and if you desaturate by 10%, it is **13.5150, 14.7988, 26.5705**.

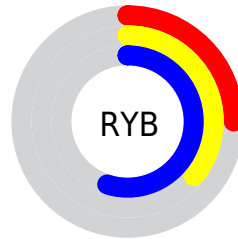
Distribution



Red (25%)

Green (41%)

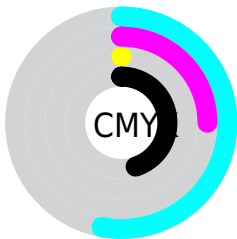
Blue (55%)



Red (25%)

Yellow (36%)

Blue (55%)

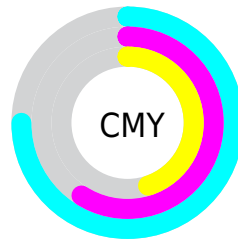


Cyan (53%)

Magenta (25%)

Yellow (0%)

Black (45%)



Cyan (75%)

Magenta (59%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7905, 12.8885, 26.2924 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 11.7905, 12.8885, 26.2924 by changing the saturation by 10% instead.

■ 11.7905, 12.8885,
26.2924

■ 11.7905, 12.8885,
26.2924

196.8117,
210.2018, 297.8655

■ 6.6724, 7.3518,
16.8148

■ 28.7331, 31.1033,
54.7361

■ 3.3026, 3.6831,
9.9420

■ 41.2884, 44.5502,
74.5394

■ 1.3157, 1.4979,
5.2554

■ 57.0533, 61.4027,
98.6215

■ 0.1949, 0.2873,
2.3365

■ 76.3934, 82.0451,
127.4012

■ 0.0000, 0.0000,
0.7516

■ 99.6739, 106.8618,
161.2969

■ 0.0000, 0.0000,
0.0000

127.2602,

136.2372, 200.7271

159.5177,
170.5558, 246.1105

■ 11.7905, 12.8885,
26.2924

■ 11.7905, 12.8885,
26.2924

■ 10.3450, 11.1991,
26.0427

■ 13.5150, 14.7988,
26.5705

■ 9.1590, 9.7182,
25.8194

■ 15.5335, 16.9387,
26.8771

■ 8.2125, 8.4337,
25.6214

■ 17.8614, 19.3180,
27.2137

■ 7.4813, 7.3315,
25.4472

■ 20.5126, 21.9456,
27.5811

■ 7.0596, 6.6629,
25.3403

■ 23.5001, 24.8295,
27.9803

■ 26.8362, 27.9776,
28.4121

■ 30.5325, 31.3974,
28.8774

■ 34.6000, 35.0960,
29.3769

■ 39.0493, 39.0802,
29.9115

Harmonies

Analogous

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



10.2553, 12.8885, 23.3971



11.7905, 12.8885, 26.2924



13.6051, 12.8885, 25.3222

Triad

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



11.7905, 12.8885, 26.2924



15.7325, 12.8885, 10.6111



9.7172, 12.8885, 8.8076

Complementary

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



11.7905, 12.8885, 26.2924



16.1593, 14.9857, 7.0425

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.



10.9882, 12.8885, 6.7255



11.7905, 12.8885, 26.2924



14.4883, 12.8885, 7.5754

Square

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



11.7905, 12.8885, 26.2924



16.0007, 12.8885, 15.4092



12.7216, 12.8885, 6.3373



9.1368, 12.8885, 12.7420

Rectangle

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



11.7905, 12.8885, 26.2924



14.7222, 12.8885, 22.7011



12.7216, 12.8885, 6.3373



10.0716, 12.8885, 7.9117

Sweetspot

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



11.7909, 12.8890, 26.2927



35.1925, 37.7869, 49.1817



13.6908, 20.5005, 15.1745



7.9102, 8.5104, 11.3052



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.



11.7909, 12.8890, 26.2927



18.0296, 19.4525, 46.5474



8.8757, 7.0585, 25.3210



4.9785, 5.2999, 6.3664



6.3889, 6.0480, 22.8763



0.0571, 0.0695, 0.1569

Inverse Universe

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



15.0369, 10.2696, 14.2868



24.7500, 15.1435, 21.4400



20.4814, 23.6299, 8.4832



5.1358, 5.0897, 5.8034



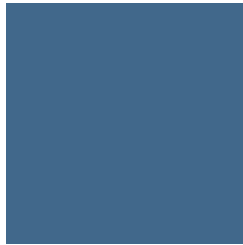
10.7116, 5.3948, 6.2516



0.0786, 0.0388, 0.0805

Previews

White Background



This preview shows how the XYZ color 11.7905, 12.8885, 26.2924 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 11.7905, 12.8885, 26.2924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

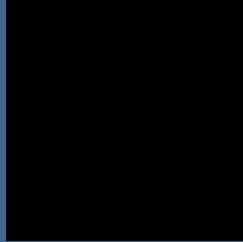
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

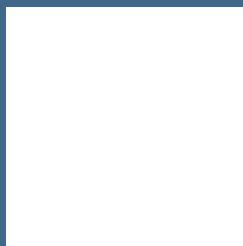
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.7905, 12.8885, 26.2924

Background



This preview shows how black text looks on a background with the XYZ color 11.7905, 12.8885, 26.2924.

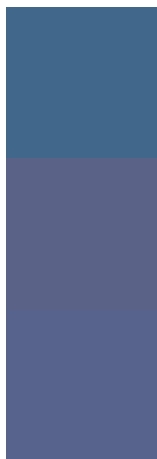


This preview shows how white text looks on a background with the XYZ color 11.7905, 12.8885,

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

11.7905, 12.8885, 26.2924

Protanopia

13.0515, 12.8466, 24.7134

Deuteranopia

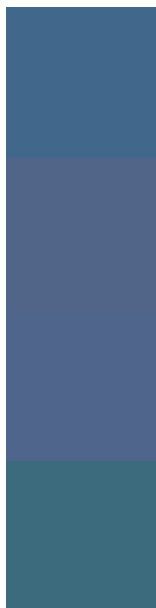
13.1259, 12.8434, 26.5981



Tritanopia

10.2608, 12.8793, 18.7748

Trichromacy



Original Color

11.7905, 12.8885, 26.2924

Protanomaly

12.4910, 12.8343, 25.1115

Deuteranomaly

12.6118, 12.8631, 26.6291

Tritanomaly

10.8228, 12.9567, 21.3325

Monochromacy



Original Color

11.7905, 12.8885, 26.2924

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.1328, 12.0248, 17.0635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7905, 12.8885, 26.2924 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(65, 104, 139)` looks like.

```
.text, #text, p{  
    color:rgb(65, 104, 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(65, 104, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 104, 139) }
```

Border

The CSS property to change the border of an element to XYZ 11.7905, 12.8885, 26.2924 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(65, 104, 139) }
```


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

```
.border{ border-color:rgb(65, 104, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 104, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 104, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 104, 139);  
box-shadow:4px 4px 4px 4px rgb(65, 104,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7905, 12.8885, 26.2924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 104, 139) }
```

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

```
.background{ background-color: rgb(65, 104,  
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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