

Converting Colors

XYZ(12.1009, 12.0087, 24.1906)

Have a look what the booklet for
XYZ(12.1009, 12.0087, 24.1906)
contains.

XYZ(12.0532, 11.9260, 24.2209)	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(12.0532, 11.9260,
24.2209)**

Conversions

Conversions Part 1

Format	Color
Hex	536086
RGB	83, 96, 134
RGB Percent	33%, 38%, 53%
CMY	0.6745, 0.6235, 0.4745
CMYK	0.38, 0.28, 0.00, 0.47
HSL	225°, 24%, 43%
HSV	225°, 38%, 53%
XYZ	12.0532, 11.9260, 24.2209
YIQ	96.4450, -19.9460, 9.0620

Conversions

Conversions Part 2

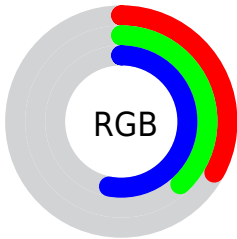
Format	Color
R_{YB}	83, 93, 134
Decimal	5464198
CIE _{Lab}	41.10, 5.09, -22.74
CIE _{LCh}	41, 23.300, 282.618
Yxy	11.9260, 0.2501, 0.2474
Android (android.graphics.Color)	4283654278 (0xFF536086)
YUV	96.4450, 18.5146, -11.7913
Hunter-Lab	34.5340, 1.8662, -17.4100

Details

The XYZ color **12.0532, 11.9260, 24.2209** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **18.2304, 19.3677, 10.9615**, and the grayscale version is **11.1865, 11.7691, 12.8166**.

A 20% lighter version of the original color is **29.0800, 29.2140, 51.1199**, and **3.4005, 3.2614, 8.8378** is the 20% darker color. If you saturate the color by 10%, you get **10.1295, 9.6670, 23.8865**, and if you desaturate by 10%, it is **14.3220, 14.5351, 24.6052**.

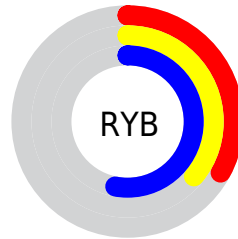
Distribution



Red (33%)

Green (38%)

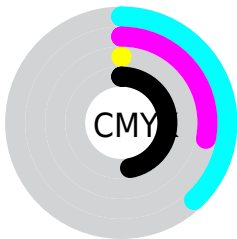
Blue (53%)



Red (33%)

Yellow (36%)

Blue (53%)

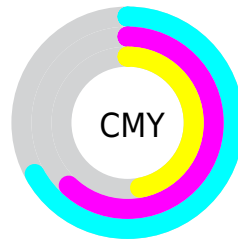


Cyan (38%)

Magenta (28%)

Yellow (0%)

Black (47%)



Cyan (67%)

Magenta (62%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0532, 11.9260, 24.2209 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 12.0532, 11.9260, 24.2209 by changing the saturation by 10% instead.

■ 12.0532, 11.9260,
24.2209

■ 12.0532, 11.9260,
24.2209

198.5199,
203.9148, 287.2578

■ 6.8524, 6.6933,
15.2839

■ 29.2080, 29.3603,
51.3388

■ 3.4155, 3.2710,
8.8700

■ 41.8926, 42.3306,
70.3567

■ 1.3771, 1.2748,
4.5608

■ 57.8026, 58.6490,
93.5720

■ 0.2398, 0.1216,
1.9378

■ 77.3033, 78.6998,
121.4032

■ 0.0000, 0.0000,
0.5166

■ 100.7600,
102.8673, 154.2688

■ 0.0000, 0.0000,
0.0000

128.5381,

131.5361, 192.5874

161.0029,
165.0904, 236.7776

■ 12.0532, 11.9260,
24.2209

■ 12.0532, 11.9260,
24.2209

■ 10.1295, 9.6670,
23.8865

■ 14.3220, 14.5351,
24.6052

■ 8.5321, 7.7414,
23.5990

■ 16.9509, 17.5075,
25.0403

■ 7.2422, 6.1328,
23.3565

■ 19.9555, 20.8572,
25.5285

■ 6.2386, 4.8230,
23.1566

■ 23.3500, 24.5971,
26.0715

■ 5.4970, 3.7918,
22.9966

■ 27.1482, 28.7395,
26.6709

■ 4.9695, 3.0057,
22.8727

■ 31.3627, 33.2960,
27.3282

■ 4.8797, 2.8744,
22.8521

■ 36.0060, 38.2780,
28.0451

■ 41.0897, 43.6963,
28.8230

■ 46.6254, 49.5611,
29.6633

Harmonies

Analogous

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



10.4005, 11.9260, 23.9215



12.0532, 11.9260, 24.2209



13.6579, 11.9260, 21.0207

Triad

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



12.0532, 11.9260, 24.2209



13.8733, 11.9260, 7.6895



8.5322, 11.9260, 10.4211

Complementary

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



12.0532, 11.9260, 24.2209



18.2304, 19.3677, 10.9615

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.



9.2922, 11.9260, 7.3135



12.0532, 11.9260, 24.2209



12.3246, 11.9260, 6.0242

Square

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



12.0532, 11.9260, 24.2209



14.7761, 11.9260, 11.0737



10.6465, 11.9260, 5.9060



8.4750, 11.9260, 15.1054

Rectangle

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



12.0532, 11.9260, 24.2209



14.4410, 11.9260, 17.7043



10.6465, 11.9260, 5.9060



8.7102, 11.9260, 9.1897

Sweetspot

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



12.0536, 11.9265, 24.2212



33.4007, 34.7958, 44.6943



15.5071, 20.2552, 20.9894



7.3893, 7.6883, 10.0472



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.0536, 11.9265, 24.2212



18.1743, 17.4208, 42.1431



12.1056, 10.3356, 23.9114



4.5239, 4.7234, 5.8740



4.5807, 2.7092, 21.4182



0.0210, 0.0197, 0.0759

Inverse Universe

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



15.0364, 12.0997, 12.6098



24.3281, 18.0849, 18.1189



18.1269, 21.8198, 11.4402



4.7177, 4.7068, 5.1258



9.4902, 4.8604, 1.8880



0.0355, 0.0179, 0.0202

Previews

White Background



This preview shows how the XYZ color 12.0532, 11.9260, 24.2209 looks on a white background.

Color Contrast Check

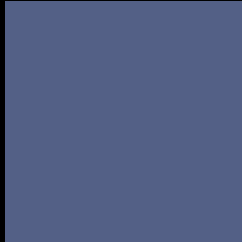
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0532, 11.9260, 24.2209 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

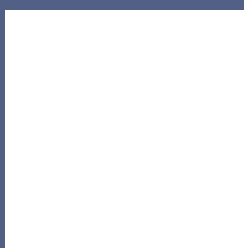
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.0532, 11.9260, 24.2209

Background



This preview shows how black text looks on a background with the XYZ color 12.0532, 11.9260, 24.2209.

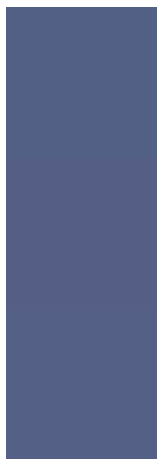


This preview shows how white text looks on a background with the XYZ color 12.0532, 11.9260,

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

12.0532, 11.9260, 24.2209

Protanopia

12.1416, 11.8369, 24.1991

Deuteranopia

12.1421, 11.9718, 24.2251



Tritanopia

10.4746, 11.9893, 16.2301

Trichromacy



Original Color

12.0532, 11.9260, 24.2209

Protanomaly

12.0514, 11.7905, 24.1949

Deuteranomaly

12.1421, 11.9718, 24.2251

Tritanomaly

10.9563, 11.8940, 18.8578

Monochromacy



Original Color

12.0532, 11.9260, 24.2209

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.3117, 11.7157, 16.4170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0532, 11.9260, 24.2209 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(83, 96, 134) looks like.

```
.text, #text, p{  
    color:rgb(83, 96, 134)  
}
```

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(83, 96, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 96, 134) }
```

Border

The CSS property to change the border of an element to XYZ 12.0532, 11.9260, 24.2209 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(83, 96, 134) }
```


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

```
.border{ border-color:rgb(83, 96, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 96, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 96, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 96, 134);  
box-shadow:4px 4px 4px 4px rgb(83, 96,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0532, 11.9260, 24.2209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 96, 134) }
```

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

```
.background{ background-color: rgb(83, 96,  
134) }
```

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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