

Converting Colors

XYZ(12.1800, 11.7316, 24.3088)

Have a look what the booklet for
XYZ(12.1800, 11.7316, 24.3088)
contains.

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Color

**XYZ(12.1435, 11.7051,
24.1735)**

Conversions

Conversions Part 1

Format	Color
Hex	565E86
RGB	86, 94, 134
RGB Percent	34%, 37%, 53%
CMY	0.6627, 0.6314, 0.4745
CMYK	0.36, 0.30, 0.00, 0.47
HSL	230°, 22%, 43%
HSV	230°, 36%, 53%
XYZ	12.1435, 11.7051, 24.1735
YIQ	96.1680, -17.6080, 10.7440

Conversions

Conversions Part 2

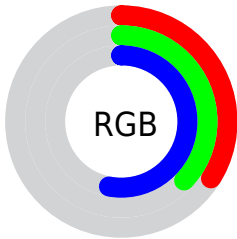
Format	Color
R_{YB}	86, 93, 134
Decimal	5660294
CIE _{Lab}	40.74, 7.24, -23.27
CIE _{LCh}	41, 24.371, 287.293
Yxy	11.7051, 0.2529, 0.2437
Android (android.graphics.Color)	4283850374 (0xFF565E86)
YUV	96.1680, 18.6512, -8.9173
Hunter-Lab	34.2127, 3.4847, -17.9433

Details

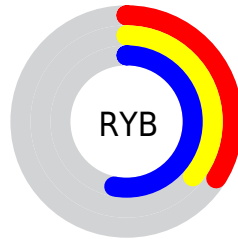
The XYZ color **12.1435, 11.7051, 24.1735** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **18.9722, 20.6619, 11.7926**, and the grayscale version is **11.1185, 11.6975, 12.7386**.

A 20% lighter version of the original color is **29.2594, 28.8527, 51.0407**, and **3.4565, 3.1661, 8.8164** is the 20% darker color. If you saturate the color by 10%, you get **10.1014, 9.2836, 23.8139**, and if you desaturate by 10%, it is **14.5615, 14.5341, 24.5923**.

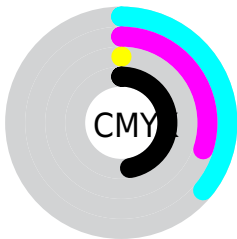
Distribution



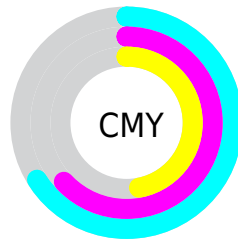
- Red (34%)
- Green (37%)
- Blue (53%)



- Red (34%)
- Yellow (36%)
- Blue (53%)



- Cyan (36%)
- Magenta (30%)
- Yellow (0%)
- Black (47%)



- Cyan (66%)
- Magenta (63%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1435, 11.7051, 24.1735 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 12.1435, 11.7051, 24.1735 by changing the saturation by 10% instead.

■ 12.1435, 11.7051,
24.1735

■ 12.1435, 11.7051,
24.1735

199.1036,
202.4431, 287.0112

■ 6.9144, 6.5432,
15.2490

■ 29.3708, 28.9569,
51.2606

■ 3.4545, 3.1781,
8.8458

■ 42.0997, 41.8155,
70.2602

■ 1.3984, 1.2254,
4.5453

■ 58.0592, 58.0085,
93.4552

■ 0.2551, 0.0823,
1.9290

■ 77.6147, 77.9203,
121.2643

■ 0.0000, 0.0000,
0.5111

■ 101.1315,
101.9353, 154.1059

■ 0.0000, 0.0000,
0.0000

128.9750,

130.4378, 192.3985

161.5106,
163.8123, 236.5608

■ 12.1435, 11.7051,
24.1735

■ 12.1435, 11.7051,
24.1735

■ 10.1014, 9.2836,
23.8139

■ 14.5615, 14.5341,
24.5923

■ 8.4147, 7.2493,
23.5102

■ 17.3718, 17.7870,
25.0721

■ 7.0632, 5.5821,
23.2596

■ 20.5914, 21.4809,
25.6154

■ 6.0237, 4.2596,
23.0591

■ 24.2360, 25.6314,
26.2244

■ 5.2702, 3.2568,
22.9053

■ 28.3203, 30.2536,
26.9013

■ 4.7652, 2.5414,
22.7938

■ 32.8584, 35.3618,
27.6481

■ 4.5965, 2.3080,
22.7577

■ 37.8638, 40.9696,
28.4667

■ 43.3494, 47.0902,
29.3590

■ 49.3275, 53.7361,
30.3267

Harmonies

Analogous

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



10.4097, 11.7051, 24.4770



12.1435, 11.7051, 24.1735



13.7525, 11.7051, 20.3580

Triad

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



12.1435, 11.7051, 24.1735



13.5369, 11.7051, 6.9489



8.1862, 11.7051, 10.7624

Complementary

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



12.1435, 11.7051, 24.1735



18.9722, 20.6619, 11.7926

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.



8.8561, 11.7051, 7.3148



12.1435, 11.7051, 24.1735



11.8731, 11.7051, 5.5285

Square

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



12.1435, 11.7051, 24.1735



14.6124, 11.7051, 10.1181



10.1658, 11.7051, 5.6423



8.2425, 11.7051, 15.7909

Rectangle

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



12.1435, 11.7051, 24.1735



14.4839, 11.7051, 16.7865



10.1658, 11.7051, 5.6423



8.3308, 11.7051, 9.4104

Sweetspot

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



12.1439, 11.7055, 24.1738



33.1128, 34.2200, 44.5983



16.0776, 20.5146, 22.5817



7.3188, 7.5474, 10.0237



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.



12.1439, 11.7055, 24.1738



18.4230, 17.1033, 42.0687



13.0204, 11.1554, 24.0214



4.4926, 4.6608, 5.8636



4.3134, 2.1746, 21.3291



0.0186, 0.0148, 0.0751

Inverse Universe

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



15.1800, 12.5324, 12.2091



24.6526, 18.9765, 17.4794



17.7854, 21.6301, 12.0421



4.7019, 4.7005, 5.0426



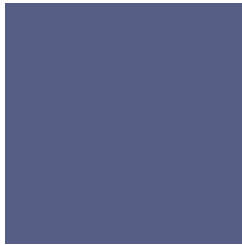
9.3553, 4.8065, 1.1775



0.0342, 0.0174, 0.0138

Previews

White Background



This preview shows how the XYZ color 12.1435, 11.7051, 24.1735 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 12.1435, 11.7051, 24.1735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

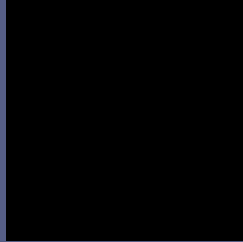
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1435, 11.7051, 24.1735

Background



This preview shows how black text looks on a background with the XYZ color 12.1435, 11.7051, 24.1735.

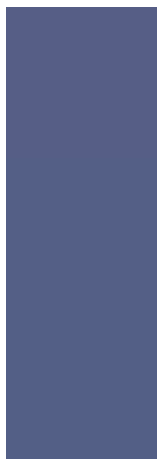


This preview shows how white text looks on a background with the XYZ color 12.1435, 11.7051,

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

12.1435, 11.7051, 24.1735

Protanopia

12.0514, 11.7905, 24.1949

Deuteranopia

11.9626, 11.7446, 24.1907



Tritanopia

10.4239, 11.6907, 15.6170

Trichromacy



Original Color

12.1435, 11.7051, 24.1735

Protanomaly

12.1416, 11.8369, 24.1991

Deuteranomaly

12.0514, 11.7905, 24.1949

Tritanomaly

10.9653, 11.6276, 18.4960

Monochromacy



Original Color

12.1435, 11.7051, 24.1735

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.3203, 11.5855, 16.3914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1435, 11.7051, 24.1735 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(86, 94, 134) looks like.

```
.text, #text, p{  
    color:rgb(86, 94, 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(86, 94, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 94, 134) }
```

Border

The CSS property to change the border of an element to XYZ 12.1435, 11.7051, 24.1735 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(86, 94, 134) }
```


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

```
.border{ border-color:rgb(86, 94, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 94, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 94, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 94, 134);  
box-shadow:4px 4px 4px 4px rgb(86, 94,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1435, 11.7051, 24.1735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 94, 134) }
```

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

```
.background{ background-color: rgb(86, 94,  
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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