

Converting Colors

XYZ(12.7397, 12.0862, 31.5213)

Have a look what the booklet for
XYZ(12.7397, 12.0862, 31.5213)
contains.

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Color

**XYZ(12.7520, 12.1286,
31.3747)**

Conversions

Conversions Part 1

Format	Color
Hex	4B6098
RGB	75, 96, 152
RGB Percent	29%, 38%, 60%
CMY	0.7059, 0.6235, 0.4039
CMYK	0.51, 0.37, 0.00, 0.40
HSL	224°, 34%, 45%
HSV	224°, 51%, 60%
XYZ	12.7520, 12.1286, 31.3747
YIQ	96.1050, -30.4920, 12.9640

Conversions

Conversions Part 2

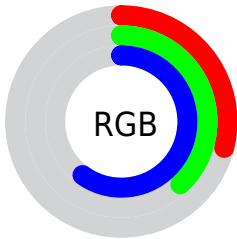
Format	Color
R_YB	75, 92, 152
Decimal	4939928
CIE Lab	41.42, 8.47, -33.10
CIE LCh	41, 34.166, 284.349
Yxy	12.1286, 0.2267, 0.2156
Android (android.graphics.Color)	4283130008 (0xFF4B6098)
YUV	96.1050, 27.5562, -18.5091
Hunter-Lab	34.8261, 4.4141, -29.0358

Details

The XYZ color **12.7520, 12.1286, 31.3747** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **22.3357, 23.4167, 9.9998**, and the grayscale version is **11.0846, 11.6619, 12.6998**.

A 20% lighter version of the original color is **30.4435, 29.6520, 63.1503**, and **3.7207, 3.3400, 12.7605** is the 20% darker color. If you saturate the color by 10%, you get **10.7635, 9.7102, 31.0129**, and if you desaturate by 10%, it is **15.1674, 14.9780, 31.7976**.

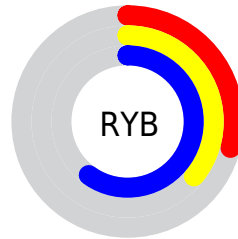
Distribution



Red (29%)

Green (38%)

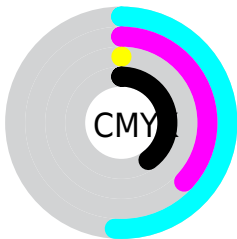
Blue (60%)



Red (29%)

Yellow (36%)

Blue (60%)

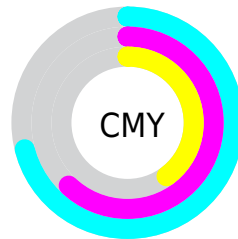


Cyan (51%)

Magenta (37%)

Yellow (0%)

Black (40%)



Cyan (71%)

Magenta (62%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7520, 12.1286, 31.3747 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 12.7520, 12.1286, 31.3747 by changing the saturation by 10% instead.

■ 12.7520, 12.1286,
31.3747

■ 12.7520, 12.1286,
31.3747

202.9920,
205.2548, 322.6654

■ 7.3338, 6.8313,
20.6235

■ 30.4626, 29.7291,
62.9160

■ 3.7199, 3.3568,
12.6605

■ 43.4858, 42.8011,
84.5432

■ 1.5449, 1.3207,
7.0672

■ 59.7747, 59.2335,
110.6327

■ 0.3561, 0.1572,
3.4251

■ 79.6946, 79.4107,
141.6032

■ 0.0000, 0.0000,
1.3156

■ 103.6109,
103.7170, 177.8732

■ 0.0000, 0.0000,
0.0745

131.8890,

■ 0.0000, 0.0000,

132.5368, 219.8612

0.0000

164.8943,
166.2547, 267.9857

■ 12.7520, 12.1286,
31.3747

■ 12.7520, 12.1286,
31.3747

■ 10.7635, 9.7102,
31.0129

■ 15.1674, 14.9780,
31.7976

■ 9.1739, 7.6991,
30.7085

■ 18.0323, 18.2778,
32.2836

■ 7.9542, 6.0712,
30.4586

■ 21.3693, 22.0476,
32.8353

■ 7.0701, 4.7986,
30.2596

■ 25.1993, 26.3055,
33.4553

■ 6.4762, 3.8844,
30.1144

■ 29.5417, 31.0686,
34.1458

■ 34.4147, 36.3532,
34.9090

■ 39.8359, 42.1746,
35.7469

■ 45.8218, 48.5478,
36.6616

■ 52.3884, 55.4871,
37.6549

Harmonies

Analogous

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



10.2873, 12.1286, 31.2318



12.7520, 12.1286, 31.3747



15.1975, 12.1286, 25.5947

Triad

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



12.7520, 12.1286, 31.3747



15.2899, 12.1286, 5.7686



7.5147, 12.1286, 9.8502

Complementary

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



12.7520, 12.1286, 31.3747



22.3357, 23.4167, 9.9998

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.



8.5023, 12.1286, 5.6431



12.7520, 12.1286, 31.3747



12.8644, 12.1286, 3.9307

Square

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



12.7520, 12.1286, 31.3747



16.7992, 12.1286, 10.0990



10.3847, 12.1286, 3.8950



7.4937, 12.1286, 16.8926

Rectangle

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



12.7520, 12.1286, 31.3747



16.3893, 12.1286, 20.0530



10.3847, 12.1286, 3.8950



7.7376, 12.1286, 8.1274

Sweetspot

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



12.7525, 12.1290, 31.3750



41.2347, 42.8384, 58.5290



18.1719, 25.5693, 25.1617



9.0766, 9.4078, 13.2550



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



12.7525, 12.1290, 31.3750



18.5245, 16.5504, 54.6519



12.5662, 9.5588, 30.8887



6.0148, 6.2869, 7.8255



5.4532, 3.3030, 25.2578



0.1088, 0.1039, 0.3867

Inverse Universe

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



17.5767, 12.5526, 12.5632



28.2537, 18.1408, 16.5484



22.5413, 28.1420, 10.9011



6.2746, 6.2490, 6.8260



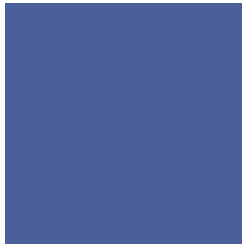
11.2113, 5.7387, 2.3716



0.1814, 0.0913, 0.1079

Previews

White Background



This preview shows how the XYZ color 12.7520, 12.1286, 31.3747 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 12.7520, 12.1286, 31.3747 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

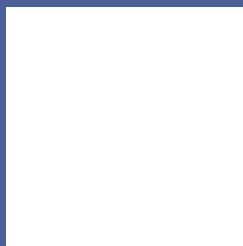
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7520, 12.1286, 31.3747

Background



This preview shows how black text looks on a background with the XYZ color 12.7520, 12.1286, 31.3747.

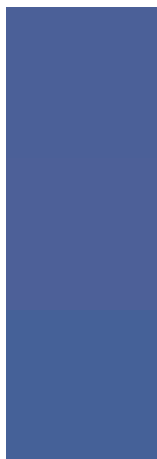


This preview shows how white text looks on a background with the XYZ color 12.7520, 12.1286,

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

12.7520, 12.1286, 31.3747

Protanopia

12.9109, 12.2105, 31.3821

Deuteranopia

12.3964, 12.0816, 31.3844



Tritanopia

9.9176, 12.1170, 17.4389

Trichromacy



Original Color

12.7520, 12.1286, 31.3747

Protanomaly

12.8309, 12.1692, 31.3784

Deuteranomaly

12.5407, 12.1560, 31.3911

Tritanomaly

10.7992, 12.0330, 21.8321

Monochromacy



Original Color

12.7520, 12.1286, 31.3747

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.3598, 11.7014, 18.1829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7520, 12.1286, 31.3747 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(75, 96, 152)` looks like.

```
.text, #text, p{  
    color:rgb(75, 96, 152)  
}
```

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(75, 96, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 96, 152) }
```

Border

The CSS property to change the border of an element to XYZ 12.7520, 12.1286, 31.3747 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(75, 96, 152) }
```


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

```
.border{ border-color:rgb(75, 96, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 96, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 96, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 96, 152);  
box-shadow:4px 4px 4px 4px rgb(75, 96,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7520, 12.1286, 31.3747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 96, 152) }
```

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

```
.background{ background-color: rgb(75, 96,  
152) }
```

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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