

Converting Colors

XYZ(12.5728, 12.0950, 22.6642)

Have a look what the booklet for
XYZ(12.5728, 12.0950, 22.6642)
contains.

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Color

**XYZ(12.6357, 12.1233,
22.7931)**

Conversions

Conversions Part 1

Format	Color
Hex	5D5F82
RGB	93, 95, 130
RGB Percent	36%, 37%, 51%
CMY	0.6353, 0.6274, 0.4902
CMYK	0.28, 0.27, 0.00, 0.49
HSL	237°, 17%, 44%
HSV	237°, 28%, 51%
XYZ	12.6357, 12.1233, 22.7931
YIQ	98.3920, -12.4270, 10.4610

Conversions

Conversions Part 2

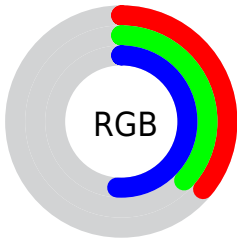
Format	Color
R_{YB}	93, 95, 130
Decimal	6119298
CIE Lab	41.41, 7.72, -19.77
CIE LCh	41, 21.223, 291.340
Yxy	12.1233, 0.2657, 0.2549
Android (android.graphics.Color)	4284309378 (0xFF5D5F82)
YUV	98.3920, 15.5827, -4.7288
Hunter-Lab	34.8185, 3.8455, -14.4398

Details

The XYZ color **12.6357, 12.1233, 22.7931** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **18.9011, 20.9747, 13.4087**, and the grayscale version is **11.6720, 12.2799, 13.3728**.

A 20% lighter version of the original color is **30.1742, 29.5990, 48.9226**, and **3.6657, 3.3486, 8.2377** is the 20% darker color. If you saturate the color by 10%, you get **10.4084, 9.4587, 22.3964**, and if you desaturate by 10%, it is **15.2624, 15.2539, 23.2591**.

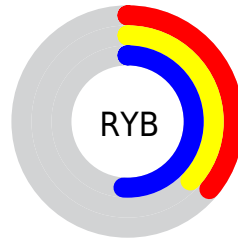
Distribution



Red (36%)

Green (37%)

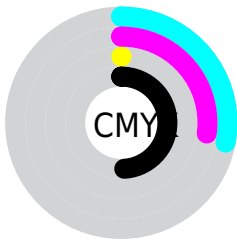
Blue (51%)



Red (36%)

Yellow (37%)

Blue (51%)

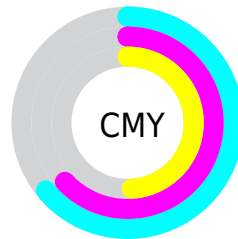


Cyan (28%)

Magenta (27%)

Yellow (0%)

Black (49%)



Cyan (64%)

Magenta (63%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6357, 12.1233, 22.7931 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 12.6357, 12.1233, 22.7931 by changing the saturation by 10% instead.

■ 12.6357, 12.1233,
22.7931

■ 12.6357, 12.1233,
22.7931

202.2547,
205.2199, 279.7479

■ 7.2534, 6.8277,
14.2369

■ 30.2546, 29.7195,
48.9723

■ 3.6688, 3.3546,
8.1450

■ 43.2220, 42.7888,
67.4323

■ 1.5165, 1.3195,
4.0988

■ 59.4485, 59.2183,
90.0308

■ 0.3370, 0.1563,
1.6797

■ 79.2994, 79.3921,
117.1862

■ 0.0000, 0.0000,
0.3468

103.1402,
103.6948, 149.3171

■ 0.0000, 0.0000,
0.0000

131.3360,

132.5107, 186.8420

164.2524,
166.2243, 230.1794

■ 12.6357, 12.1233,
22.7931

■ 12.6357, 12.1233,
22.7931

■ 10.4084, 9.4587,
22.3964

■ 15.2624, 15.2539,
23.2591

■ 8.5599, 7.2366,
22.0649

■ 18.3054, 18.8699,
23.7967

■ 7.0693, 5.4333,
21.7954

■ 21.7822, 22.9912,
24.4090

■ 5.9135, 4.0226,
21.5840

■ 25.7090, 27.6362,
25.0986

■ 5.0665, 2.9752,
21.4265

■ 30.1009, 32.8223,
25.8681

■ 4.4985, 2.2577,
21.3179

■ 34.9725, 38.5662,
26.7200

■ 4.1512, 1.8183,
21.2514

■ 40.3378, 44.8839,
27.6567

■ 4.1056, 1.7643,
21.2434

■ 46.2100, 51.7907,
28.6803

■ 52.6021, 59.3013,
29.7931

Harmonies

Analogous

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



11.0822, 12.1233, 23.4988



12.6357, 12.1233, 22.7931



13.9963, 12.1233, 19.2464

Triad

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



12.6357, 12.1233, 22.7931



13.4758, 12.1233, 7.6183



8.8334, 12.1233, 11.9626

Complementary

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



12.6357, 12.1233, 22.7931



18.9011, 20.9747, 13.4087

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.



9.3594, 12.1233, 8.5749



12.6357, 12.1233, 22.7931



11.9750, 12.1233, 6.4599

Square

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



12.6357, 12.1233, 22.7931



14.5107, 12.1233, 10.3453



10.4773, 12.1233, 6.7660



8.9762, 12.1233, 16.5373

Rectangle

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



12.6357, 12.1233, 22.7931



14.5661, 12.1233, 16.1074



10.4773, 12.1233, 6.7660



8.9361, 12.1233, 10.6658

Sweetspot

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



12.6361, 12.1238, 22.7934



31.8126, 32.7275, 41.8328



16.3628, 19.8389, 23.2285



7.0423, 7.2198, 9.4407



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.6361, 12.1238, 22.7934



19.6979, 18.2962, 39.6858



14.2548, 12.6942, 22.8182



4.1261, 4.2462, 5.4154



3.9383, 1.6950, 20.3695



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.1862, 13.4012, 12.6133



24.9524, 20.9625, 18.7018



16.8938, 20.3310, 13.3903



4.3365, 4.3477, 4.5763



8.8648, 4.5656, 0.6119



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.6357, 12.1233, 22.7931 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 12.6357, 12.1233, 22.7931 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 12.6357, 12.1233, 22.7931

Background



This preview shows how black text looks on a background with the XYZ color 12.6357, 12.1233, 22.7931.



This preview shows how white text looks on a background with the XYZ color 12.6357, 12.1233,

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

12.6357, 12.1233, 22.7931

Protanopia

12.3041, 12.0791, 23.1557

Deuteranopia

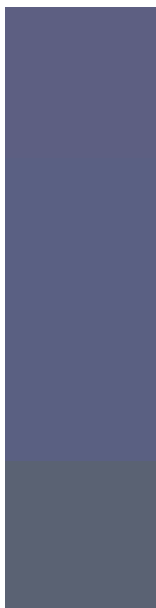
12.3320, 12.1013, 22.8049



Tritanopia

11.1402, 12.0599, 15.6506

Trichromacy



Original Color

12.6357, 12.1233, 22.7931

Protanomaly

12.4961, 12.1781, 23.1647

Deuteranomaly

12.4286, 12.1511, 22.8094

Tritanomaly

11.6786, 12.1468, 17.9487

Monochromacy



Original Color

12.6357, 12.1233, 22.7931

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.9130, 12.1620, 16.4715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6357, 12.1233, 22.7931 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(93, 95, 130) looks like.

```
.text, #text, p{  
    color:rgb(93, 95, 130)  
}
```

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(93, 95, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 95, 130) }
```

Border

The CSS property to change the border of an element to XYZ 12.6357, 12.1233, 22.7931 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(93, 95, 130) }
```


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

```
.border{ border-color:rgb(93, 95, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 95, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 95, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 95, 130);  
box-shadow:4px 4px 4px 4px rgb(93, 95,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6357, 12.1233, 22.7931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 95, 130) }
```

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

```
.background{ background-color: rgb(93, 95,  
130) }
```

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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