

Converting Colors

XYZ(12.5278, 12.1805, 23.3748)

Have a look what the booklet for
XYZ(12.5278, 12.1805, 23.3748)
contains.

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Color

**XYZ(12.5642, 12.2053,
23.5235)**

Conversions

Conversions Part 1

Format	Color
Hex	5A6084
RGB	90, 96, 132
RGB Percent	35%, 38%, 52%
CMY	0.6470, 0.6235, 0.4824
CMYK	0.32, 0.27, 0.00, 0.48
HSL	231°, 19%, 44%
HSV	231°, 32%, 52%
XYZ	12.5642, 12.2053, 23.5235
YIQ	98.3100, -15.1320, 9.9240

Conversions

Conversions Part 2

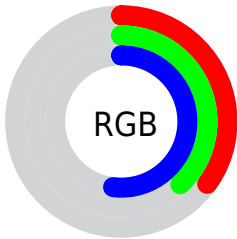
Format	Color
R _Y B	90, 95, 132
Decimal	5922948
CIE Lab	41.54, 6.68, -20.80
CIE LCh	42, 21.848, 287.815
Yxy	12.2053, 0.2602, 0.2527
Android (android.graphics.Color)	4284113028 (0xFF5A6084)
YUV	98.3100, 16.6092, -7.2879
Hunter-Lab	34.9361, 3.0565, -15.4665




Details

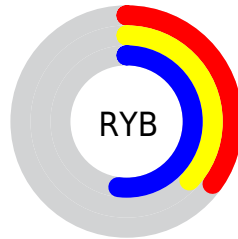
The XYZ color **12.5642, 12.2053, 23.5235** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **18.8225, 20.5659, 12.6510**, and the grayscale version is **11.6496, 12.2562, 13.3470**.




A 20% lighter version of the original color is **30.0203, 29.7233, 50.0539**, and **3.6184, 3.3826, 8.4448** is the 20% darker color. If you saturate the color by 10%, you get **10.4335, 9.6834, 23.1492**, and if you desaturate by 10%, it is **15.0724, 15.1429, 23.9585**.

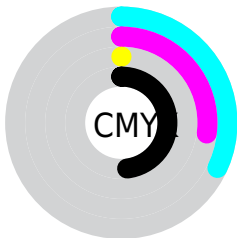
Distribution







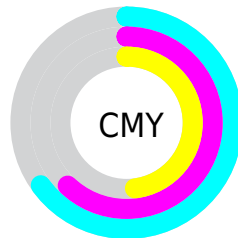
-  Red (35%)
-  Green (38%)
-  Blue (52%)






-  Red (35%)
-  Yellow (37%)
-  Blue (52%)



-  Cyan (32%)
-  Magenta (27%)
-  Yellow (0%)
-  Black (48%)



-  Cyan (65%)
-  Magenta (62%)
-  Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5642, 12.2053, 23.5235 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 12.5642, 12.2053, 23.5235 by changing the saturation by 10% instead.

■ 12.5642, 12.2053,
23.5235

■ 12.5642, 12.2053,
23.5235

201.8000,
205.7597, 283.6111

■ 7.2041, 6.8837,
14.7716

■ 30.1266, 29.8685,
50.1855

■ 3.6375, 3.3894,
8.5144

■ 43.0596, 42.9788,
68.9328

■ 1.4992, 1.3383,
4.3334

■ 59.2476, 59.4541,
91.8489

■ 0.3253, 0.1706,
1.8100

■ 79.0560, 79.6788,
119.3523

■ 0.0000, 0.0000,
0.4345

102.8500,
104.0374, 151.8618

■ 0.0000, 0.0000,
0.0000

130.9952,

132.9141, 189.7957

163.8567,
166.6934, 233.5726

■ 12.5642, 12.2053,
23.5235

■ 12.5642, 12.2053,
23.5235

■ 10.4335, 9.6834,
23.1492

■ 15.0724, 15.1429,
23.9585

■ 8.6606, 7.5569,
22.8322

■ 17.9740, 18.5125,
24.4560

■ 7.2260, 5.8059,
22.5699

■ 21.2853, 22.3311,
25.0185

■ 6.1078, 4.4083,
22.3590

■ 25.0217, 26.6144,
25.6484

■ 5.2813, 3.3395,
22.1963

■ 29.1974, 31.3775,
26.3477

■ 4.7183, 2.5717,
22.0778

■ 33.8262, 36.6346,
27.1184

■ 4.3953, 2.1268,
22.0089

■ 38.9212, 42.3993,
27.9626

■ 44.4949, 48.6850,
28.8821

■ 50.5595, 55.5041,
29.8787

Harmonies

Analogous

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



10.9656, 12.2053, 23.8516



12.5642, 12.2053, 23.5235



14.0239, 12.2053, 20.1004

Triad

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



12.5642, 12.2053, 23.5235



13.7837, 12.2053, 7.7876



8.8548, 12.2053, 11.5211

Complementary

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



12.5642, 12.2053, 23.5235



18.8225, 20.5659, 12.6510

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.



9.4742, 12.2053, 8.2225



12.5642, 12.2053, 23.5235



12.2600, 12.2053, 6.4222

Square

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



12.5642, 12.2053, 23.5235



14.7711, 12.2053, 10.7803



10.6879, 12.2053, 6.5606



8.9200, 12.2053, 16.1607

Rectangle

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



12.5642, 12.2053, 23.5235



14.6774, 12.2053, 16.8882



10.6879, 12.2053, 6.5606



8.9873, 12.2053, 10.2422

Sweetspot

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



12.5646, 12.2058, 23.5238



32.5411, 33.6275, 43.2288



16.2147, 20.1752, 22.6772



7.4211, 7.6497, 10.0381



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.



12.5646, 12.2058, 23.5238



19.4252, 18.3016, 40.9619



13.6120, 11.9639, 23.4219



4.4842, 4.6441, 5.8608



4.2584, 2.0646, 21.3108



0.0179, 0.0135, 0.0749

Inverse Universe

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



15.2836, 13.0629, 12.7826



25.0145, 20.1766, 18.8564



17.4736, 21.0438, 12.8143



4.6977, 4.6988, 5.0203



9.3276, 4.7954, 1.0313



0.0339, 0.0173, 0.0120

Previews

White Background



This preview shows how the XYZ color 12.5642, 12.2053, 23.5235 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 12.5642, 12.2053, 23.5235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

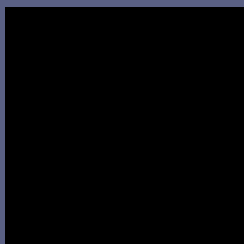
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5642, 12.2053, 23.5235

Background



This preview shows how black text looks on a background with the XYZ color 12.5642, 12.2053, 23.5235.

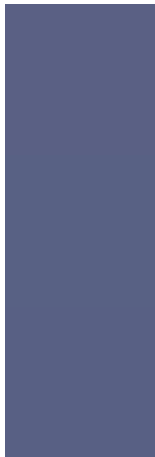


This preview shows how white text looks on a background with the XYZ color 12.5642, 12.2053,

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

12.5642, 12.2053, 23.5235

Protanopia

12.4641, 12.2900, 23.5451

Deuteranopia

12.3722, 12.1064, 23.5145



Tritanopia

11.0103, 12.1283, 15.9481

Trichromacy



Original Color

12.5642, 12.2053, 23.5235

Protanomaly

12.5594, 12.3392, 23.5495

Deuteranomaly

12.4676, 12.1555, 23.5189

Tritanomaly

11.6032, 12.2343, 18.5795

Monochromacy



Original Color

12.5642, 12.2053, 23.5235

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.8085, 12.1081, 16.4666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5642, 12.2053, 23.5235 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(90, 96, 132) looks like.

```
.text, #text, p{  
    color:rgb(90, 96, 132)  
}
```

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(90, 96, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 96, 132) }
```

Border

The CSS property to change the border of an element to XYZ 12.5642, 12.2053, 23.5235 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(90, 96, 132) }
```


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

```
.border{ border-color:rgb(90, 96, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 96, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 96, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 96, 132);  
box-shadow:4px 4px 4px 4px rgb(90, 96,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5642, 12.2053, 23.5235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 96, 132) }
```

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

```
.background{ background-color: rgb(90, 96,  
132) }
```

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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