

Converting Colors

XYZ(12.7597, 12.7294, 35.9673)

Have a look what the booklet for
XYZ(12.7597, 12.7294, 35.9673)
contains.

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Color

**XYZ(12.7508, 12.7282,
35.9672)**

Conversions

Conversions Part 1

Format	Color
Hex	3765A2
RGB	55, 101, 162
RGB Percent	22%, 40%, 64%
CMY	0.7843, 0.6039, 0.3647
CMYK	0.66, 0.38, 0.00, 0.36
HSL	214°, 49%, 43%
HSV	214°, 66%, 64%
XYZ	12.7508, 12.7282, 35.9672
YIQ	94.2000, -46.9970, 9.2190

Conversions

Conversions Part 2

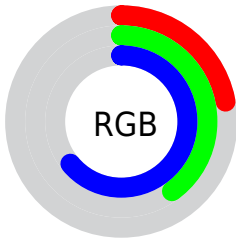
Format	Color
R_{YB}	55, 87, 162
Decimal	3630498
CIE _{Lab}	42.35, 4.45, -37.65
CIE _{LCh}	42, 37.911, 276.735
Yxy	12.7282, 0.2075, 0.2071
Android (android.graphics.Color)	4281820578 (0xFF3765A2)
YUV	94.2000, 33.4254, -34.3784
Hunter-Lab	35.6766, 1.3618, -34.7993

Details

The XYZ color **12.7508, 12.7282, 35.9672** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **21.8362, 20.4494, 6.4114**, and the grayscale version is **10.6185, 11.1715, 12.1657**.

A 20% lighter version of the original color is **30.5627, 30.9769, 70.0140**, and **4.1807, 3.8582, 15.2762** is the 20% darker color. If you saturate the color by 10%, you get **11.1578, 10.6499, 35.6503**, and if you desaturate by 10%, it is **14.7368, 15.1591, 36.3320**.

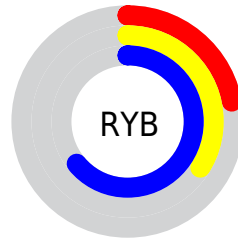
Distribution



Red (22%)

Green (40%)

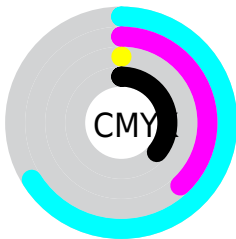
Blue (64%)



Red (22%)

Yellow (34%)

Blue (64%)

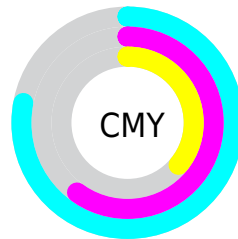


Cyan (66%)

Magenta (38%)

Yellow (0%)

Black (36%)



Cyan (78%)

Magenta (60%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7508, 12.7282, 35.9672 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 12.7508, 12.7282, 35.9672 by changing the saturation by 10% instead.

■ 12.7508, 12.7282,
35.9672

■ 12.7508, 12.7282,
35.9672

202.9844,
209.1683, 343.8502

■ 7.3330, 7.2417,
24.1194

■ 30.4605, 30.8146,
70.1499

■ 3.7194, 3.6137,
15.2092

■ 43.4831, 44.1833,
93.3219

■ 1.5446, 1.4599,
8.8181

■ 59.7713, 60.9481,
121.1056

■ 0.3559, 0.2603,
4.5275

■ 79.6905, 81.4934,
153.9197

■ 0.0000, 0.0000,
1.9190

■ 103.6061,
106.2038, 192.1827

■ 0.0000, 0.0000,
0.5048

131.8833,

■ 0.0000, 0.0000,

135.4634, 236.3131

0.0000

164.8877,
169.6568, 286.7294

■ 12.7508, 12.7282,
35.9672

■ 12.7508, 12.7282,
35.9672

■ 11.1578, 10.6499,
35.6503

■ 14.7368, 15.1591,
36.3320

■ 9.9234, 8.9009,
35.3777

■ 17.1434, 17.9610,
36.7460

■ 9.0037, 7.4537,
35.1469

■ 19.9969, 21.1521,
37.2115

■ 8.6894, 6.9442,
35.0651

■ 23.3211, 24.7490,
37.7306

■ 27.1378, 28.7671,
38.3050

■ 31.4677, 33.2210,
38.9365

■ 36.3299, 38.1244,
39.6267

■ 41.7427, 43.4906,
40.3772

■ 47.7234, 49.3321,
41.1895

Harmonies

Analogous

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



10.0631, 12.7282, 33.8102



12.7508, 12.7282, 35.9672



15.6737, 12.7282, 30.5883

Triad

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



12.7508, 12.7282, 35.9672



17.0329, 12.7282, 6.4413



7.7358, 12.7282, 8.5460

Complementary

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



12.7508, 12.7282, 35.9672



21.8362, 20.4494, 6.4114

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.



9.1118, 12.7282, 4.7130



12.7508, 12.7282, 35.9672



14.3897, 12.7282, 3.8733

Square

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



12.7508, 12.7282, 35.9672



18.3844, 12.7282, 12.1013



11.4674, 12.7282, 3.3960



7.4376, 12.7282, 15.7788

Rectangle

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



12.7508, 12.7282, 35.9672



17.2727, 12.7282, 24.3511



11.4674, 12.7282, 3.3960



8.0758, 12.7282, 6.9191

Sweetspot

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



12.7513, 12.7286, 35.9675



46.1507, 48.9667, 69.0752



17.6276, 27.9058, 20.8696



9.9524, 10.5623, 15.4517



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



12.7513, 12.7286, 35.9675



19.1804, 17.8470, 64.4900



9.8834, 6.3702, 34.8914



6.9392, 7.3373, 8.9536



6.8869, 5.5532, 27.6387



0.1912, 0.2098, 0.5963

Inverse Universe

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



18.6159, 11.3540, 13.5226



31.1393, 17.0484, 18.2716



27.1024, 33.0723, 8.5703



7.1943, 7.1342, 8.0094



12.6217, 6.4047, 5.1983



0.2887, 0.1440, 0.2329

Previews

White Background



This preview shows how the XYZ color 12.7508, 12.7282, 35.9672 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 12.7508, 12.7282, 35.9672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

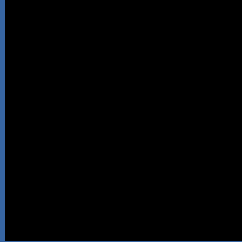
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7508, 12.7282, 35.9672

Background



This preview shows how black text looks on a background with the XYZ color 12.7508, 12.7282, 35.9672.



This preview shows how white text looks on a background with the XYZ color 12.7508, 12.7282,

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

12.7508, 12.7282, 35.9672

Protanopia

13.6062, 12.7751, 34.5496

Deuteranopia

13.0032, 12.7151, 35.9513



Tritanopia

9.3846, 12.7306, 19.4154

Trichromacy



Original Color

12.7508, 12.7282, 35.9672

Protanomaly

13.1909, 12.6907, 35.0120

Deuteranomaly

12.8824, 12.6528, 35.9457

Tritanomaly

10.4302, 12.6767, 24.8188

Monochromacy



Original Color

12.7508, 12.7282, 35.9672

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.9127, 11.5868, 19.1141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7508, 12.7282, 35.9672 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(55, 101, 162)` looks like.

```
.text, #text, p{  
    color:rgb(55, 101, 162)  
}
```

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(55, 101, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 101, 162) }
```

Border

The CSS property to change the border of an element to XYZ 12.7508, 12.7282, 35.9672 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(55, 101, 162) }
```


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

```
.border{ border-color:rgb(55, 101, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 101, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 101, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 101, 162);  
box-shadow:4px 4px 4px 4px rgb(55, 101,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7508, 12.7282, 35.9672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 101, 162) }
```

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

```
.background{ background-color: rgb(55, 101,  
162) }
```

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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