

Converting Colors

XYZ(15.7316, 12.6763, 58.7447)

Have a look what the booklet for
XYZ(15.7316, 12.6763, 58.7447)
contains.

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Color

**XYZ(15.7279, 12.6598,
58.7414)**

Conversions

Conversions Part 1

Format	Color
Hex	295DCC
RGB	41, 93, 204
RGB Percent	16%, 36%, 80%
CMY	0.8392, 0.6353, 0.2000
CMYK	0.80, 0.54, 0.00, 0.20
HSL	221°, 67%, 48%
HSV	221°, 80%, 80%
XYZ	15.7279, 12.6598, 58.7414
YIQ	90.1060, -66.6230, 23.4970

Conversions

Conversions Part 2

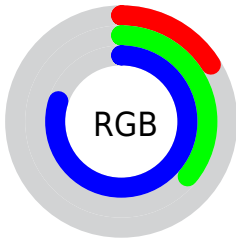
Format	Color
R_{YB}	41, 80, 204
Decimal	2710988
CIE _{Lab}	42.25, 23.44, -62.39
CIE _{LCh}	42, 66.648, 290.593
Yxy	12.6598, 0.1805, 0.1453
Android (android.graphics.Color)	4280901068 (0xFF295DCC)
YUV	90.1060, 56.1497, -43.0660
Hunter-Lab	35.5806, 16.6373, -72.9777

Details

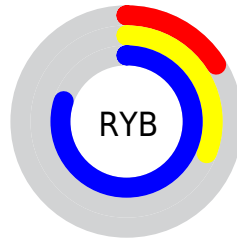
The XYZ color **15.7279, 12.6598, 58.7414** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted blue. A complement of this color would be **36.5330, 35.4587, 7.0178**, and the grayscale version is **9.6319, 10.1335, 11.0353**.

A 20% lighter version of the original color is **34.5546, 30.3097, 98.6369**, and **6.4818, 4.2838, 28.9190** is the 20% darker color. If you saturate the color by 10%, you get **14.0040, 10.1223, 58.3428**, and if you desaturate by 10%, it is **18.0958, 15.8582, 59.2343**.

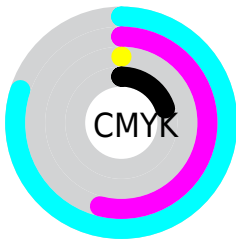
Distribution



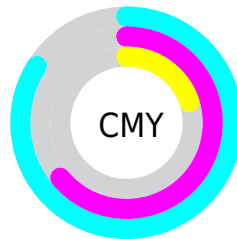
- Red (16%)
- Green (36%)
- Blue (80%)



- Red (16%)
- Yellow (31%)
- Blue (80%)



- Cyan (80%)
- Magenta (54%)
- Yellow (0%)
- Black (20%)



- Cyan (84%)
- Magenta (64%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7279, 12.6598, 58.7414 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 15.7279, 12.6598, 58.7414 by changing the saturation by 10% instead.

■ 15.7279, 12.6598,
58.7414

■ 15.7279, 12.6598,
58.7414

221.0328,
208.7257, 437.6181

■ 9.4214, 7.1947,
41.9863

■ 35.6865, 30.6912,
104.5271

■ 5.0764, 3.5842,
28.7651

■ 50.0693, 44.0264,
134.3949

■ 2.3274, 1.4438,
18.6591

■ 67.8749, 60.7536,
169.4707

■ 0.8086, 0.2487,
11.2499

■ 89.4687, 81.2574,
210.1729

■ 0.0000, 0.0000,
6.1189

■ 115.2160,
105.9221, 256.9203

■ 0.0000, 0.0000,
2.8476

145.4823,

■ 0.0000, 0.0000,

135.1321, 310.1312

1.0173

180.6327,
169.2719, 370.2243

■ 0.0000, 0.0000,
0.0000

■ 15.7279, 12.6598,
58.7414

■ 15.7279, 12.6598,
58.7414

■ 14.0040, 10.1223,
58.3428

■ 18.0958, 15.8582,
59.2343

■ 12.8044, 8.1662,
58.0285

■ 21.1742, 19.7681,
59.8267

■ 12.7934, 8.1481,
58.0255

■ 25.0223, 24.4357,
60.5248

■ 29.6925, 29.9023,
61.3339

■ 35.2319, 36.2059,
62.2586

■ 41.6843, 43.3819,
63.3036

■ 49.0901, 51.4636,
64.4732

■ 57.4874, 60.4826,
65.7715

■ 66.9120, 70.4685,
67.2022

Harmonies

Analogous

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



10.5335, 12.6598, 62.4566



15.7279, 12.6598, 58.7414



21.0597, 12.6598, 39.5779

Triad

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



15.7279, 12.6598, 58.7414



19.1990, 12.6598, 1.5942



4.8386, 12.6598, 9.7677

Complementary

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



15.7279, 12.6598, 58.7414



36.5330, 35.4587, 7.0178

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.



6.0433, 12.6598, 2.6713



15.7279, 12.6598, 58.7414



13.6679, 12.6598, 0.4954

Square

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



15.7279, 12.6598, 58.7414



23.4172, 12.6598, 6.2092



8.9671, 12.6598, 0.7305



5.1068, 12.6598, 25.8663

Rectangle

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



15.7279, 12.6598, 58.7414



23.5232, 12.6598, 25.0622



8.9671, 12.6598, 0.7305



5.0685, 12.6598, 6.5284

Sweetspot

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



15.7285, 12.6601, 58.7418



64.1218, 66.4128, 104.0471



27.9866, 45.8491, 36.0905



12.9139, 13.3109, 22.1386



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



15.7285, 12.6601, 58.7418



21.6906, 14.3116, 96.2269



14.0889, 7.1819, 57.7708



10.8890, 11.4184, 14.2004



8.1271, 5.2782, 36.5467



0.4878, 0.4094, 1.9082

Inverse Universe

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



27.6712, 15.2146, 11.8343



43.1239, 22.1907, 11.3042



40.0876, 52.6741, 10.1534



11.3573, 11.2717, 12.4163



16.3131, 8.3358, 4.1014



0.8762, 0.4439, 0.3938

Previews

White Background



This preview shows how the XYZ color 15.7279, 12.6598, 58.7414 looks on a white background.

Color Contrast Check

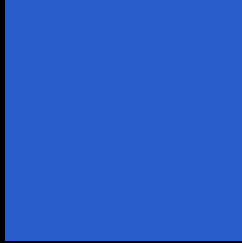
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7279, 12.6598, 58.7414 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 15.7279, 12.6598, 58.7414

Background



This preview shows how black text looks on a background with the XYZ color 15.7279, 12.6598, 58.7414.



This preview shows how white text looks on a background with the XYZ color 15.7279, 12.6598,

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

15.7279, 12.6598, 58.7414

Protanopia

14.8717, 12.4962, 58.1281

Deuteranopia

12.4892, 12.5979, 42.3308

Trichromacy



Original Color

15.7279, 12.6598, 58.7414

Protanomaly

14.9792, 12.4188, 58.1075

Deuteranomaly

13.5218, 12.5704, 48.1680

Monochromacy



Original Color

15.7279, 12.6598, 58.7414

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.5103, 10.4986, 22.9452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7279, 12.6598, 58.7414 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(41, 93, 204)` looks like.

```
.text, #text, p{  
    color:rgb(41, 93, 204)  
}
```

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(41, 93, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 93, 204) }
```

Border

The CSS property to change the border of an element to XYZ 15.7279, 12.6598, 58.7414 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(41, 93, 204) }
```

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

```
.border{ border-color:rgb(41, 93, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 93, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 93, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 93, 204);  
box-shadow:4px 4px 4px 4px rgb(41, 93,  
204) }
```


Background

The CSS property to change the background color of an element to XYZ 15.7279, 12.6598, 58.7414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 93, 204) }
```

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

```
.background{ background-color: rgb(41, 93,  
204) }
```

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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