

Converting Colors

XYZ(15.5177, 12.4019, 46.7112)

Have a look what the booklet for
XYZ(15.5177, 12.4019, 46.7112)
contains.

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Color

**XYZ(15.6162, 12.4785,
46.9329)**

Conversions

Conversions Part 1

Format	Color
Hex	505AB8
RGB	80, 90, 184
RGB Percent	31%, 35%, 72%
CMY	0.6863, 0.6471, 0.2784
CMYK	0.57, 0.51, 0.00, 0.28
HSL	234°, 42%, 52%
HSV	234°, 57%, 72%
XYZ	15.6162, 12.4785, 46.9329
YIQ	97.7260, -36.1340, 27.1140

Conversions

Conversions Part 2

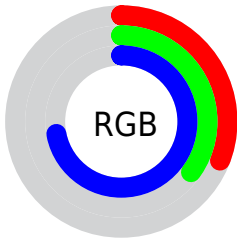
Format	Color
RYB	80, 89, 184
Decimal	5266104
CIELab	41.97, 24.00, -51.14
CIELCh	42, 56.486, 295.138
Yxy	12.4785, 0.2081, 0.1663
Android (android.graphics.Color)	4283456184 (0xFF505AB8)
YUV	97.7260, 42.5331, -15.5457
Hunter-Lab	35.3249, 17.0915, -54.0456

Details

The XYZ color **15.6162, 12.4785, 46.9329** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **36.3526, 41.0439, 13.5968**, and the grayscale version is **11.4464, 12.0425, 13.1142**.

A 20% lighter version of the original color is **35.5718, 30.4254, 87.2169**, and **5.0177, 3.5143, 21.5330** is the 20% darker color. If you saturate the color by 10%, you get **13.0206, 9.2859, 46.4537**, and if you desaturate by 10%, it is **18.9521, 16.5189, 47.5372**.

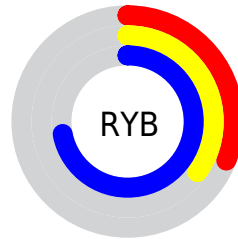
Distribution



Red (31%)

Green (35%)

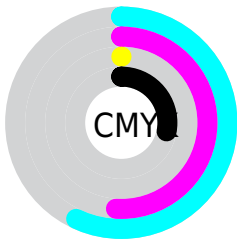
Blue (72%)



Red (31%)

Yellow (35%)

Blue (72%)

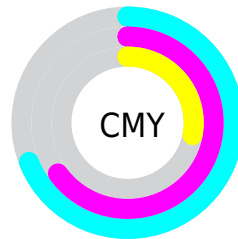


Cyan (57%)

Magenta (51%)

Yellow (0%)

Black (28%)



Cyan (69%)

Magenta (65%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6162, 12.4785, 46.9329 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 15.6162, 12.4785, 46.9329 by changing the saturation by 10% instead.

■ 15.6162, 12.4785,
46.9329

■ 15.6162, 12.4785,
46.9329

220.3814,
207.5479, 390.9326

■ 9.3421, 7.0704,
32.6286

■ 35.4935, 30.3636,
86.9624

■ 5.0239, 3.5062,
21.5733

■ 49.8273, 43.6095,
113.5247

■ 2.2962, 1.4014,
13.3484

■ 67.5785, 60.2368,
145.0101

■ 0.7927, 0.2177,
7.5354

■ 89.1124, 80.6298,
181.8372

■ 0.0000, 0.0000,
3.7156

■ 114.7942,
105.1731, 224.4244

■ 0.0000, 0.0000,
1.4707

144.9894,

■ 0.0000, 0.0000,

134.2509, 273.1904

0.1959

180.0634,
168.2477, 328.5536

■ 0.0000, 0.0000,
0.0000

■ 15.6162, 12.4785,
46.9329

■ 15.6162, 12.4785,
46.9329

■ 13.0206, 9.2859,
46.4537

■ 18.9521, 16.5189,
47.5372

■ 11.1069, 6.8791,
46.0901

■ 23.0776, 21.4607,
48.2737

■ 9.8103, 5.1897,
45.8323

■ 28.0394, 27.3544,
49.1497

■ 9.0479, 4.1338,
45.6687

■ 33.8804, 34.2464,
50.1722

■ 8.8630, 3.8832,
45.6300

■ 40.6404, 42.1801,
51.3473

■ 48.3566, 51.1964,
52.6809

■ 57.0645, 61.3338,
54.1786

■ 66.7974, 72.6292,
55.8459

■ 77.5873, 85.1174,
57.6877

Harmonies

Analogous

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



11.1917, 12.4785, 51.8947



15.6162, 12.4785, 46.9329



19.7608, 12.4785, 31.4673

Triad

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



15.6162, 12.4785, 46.9329



17.0781, 12.4785, 2.0952



5.5153, 12.4785, 11.7265

Complementary

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



15.6162, 12.4785, 46.9329



36.3526, 41.0439, 13.5968

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.



6.4088, 12.4785, 4.2148



15.6162, 12.4785, 46.9329



12.5553, 12.4785, 1.1327

Square

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



15.6162, 12.4785, 46.9329



20.7346, 12.4785, 5.9622



8.7610, 12.4785, 1.5824



5.9670, 12.4785, 25.9109

Rectangle

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



15.6162, 12.4785, 46.9329



21.4579, 12.4785, 20.3938



8.7610, 12.4785, 1.5824



5.6607, 12.4785, 8.4933

Sweetspot

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



15.6168, 12.4789, 46.9332



60.5485, 61.0581, 90.7988



28.0505, 39.0273, 45.8954



12.5772, 12.6025, 19.4912



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



15.6168, 12.4789, 46.9332



22.5796, 15.5574, 84.0174



19.4909, 13.3076, 46.8890



8.5887, 8.8546, 11.3359



6.1328, 2.7253, 31.4559



0.2395, 0.1426, 1.1167

Inverse Universe

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



24.4819, 16.6668, 11.5997



40.4146, 24.5184, 12.8126



29.8133, 40.6469, 13.8648



9.0387, 9.0259, 9.5514



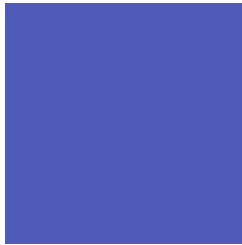
13.7092, 7.0575, 1.0897



0.4950, 0.2535, 0.1003

Previews

White Background



This preview shows how the XYZ color 15.6162, 12.4785, 46.9329 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 15.6162, 12.4785, 46.9329 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 15.6162, 12.4785, 46.9329

Background



This preview shows how black text looks on a background with the XYZ color 15.6162, 12.4785, 46.9329.



This preview shows how white text looks on a background with the XYZ color 15.6162, 12.4785,

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

15.6162, 12.4785, 46.9329

Protanopia

14.5158, 12.6189, 50.3858

Deuteranopia

12.6896, 12.5217, 43.8676



Tritanopia

9.8204, 12.5101, 18.1168

Trichromacy



Original Color

15.6162, 12.4785, 46.9329

Protanomaly

14.7671, 12.5061, 49.2126

Deuteranomaly

13.0196, 12.1059, 44.8305

Tritanomaly

11.4372, 12.2576, 26.5741

Monochromacy



Original Color

15.6162, 12.4785, 46.9329

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.3690, 11.9935, 22.4319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6162, 12.4785, 46.9329 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(80, 90, 184)` looks like.

```
.text, #text, p{  
    color:rgb(80, 90, 184)  
}
```

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(80, 90, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 90, 184) }
```

Border

The CSS property to change the border of an element to XYZ 15.6162, 12.4785, 46.9329 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(80, 90, 184) }
```


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

```
.border{ border-color:rgb(80, 90, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 90, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 90, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 90, 184);  
box-shadow:4px 4px 4px 4px rgb(80, 90,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6162, 12.4785, 46.9329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 90, 184) }
```

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

```
.background{ background-color: rgb(80, 90,  
184) }
```

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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