

Converting Colors

XYZ(15.1649, 12.5672, 42.7013)

Have a look what the booklet for
XYZ(15.1649, 12.5672, 42.7013)
contains.

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Color

**XYZ(15.1433, 12.5827,
42.7049)**

Conversions

Conversions Part 1

Format	Color
Hex	525CB0
RGB	82, 92, 176
RGB Percent	32%, 36%, 69%
CMY	0.6784, 0.6392, 0.3098
CMYK	0.53, 0.48, 0.00, 0.31
HSL	234°, 37%, 51%
HSV	234°, 53%, 69%
XYZ	15.1433, 12.5827, 42.7049
YIQ	98.5860, -32.9240, 24.0040

Conversions

Conversions Part 2

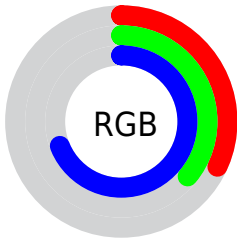
Format	Color
R_{YB}	82, 91, 176
Decimal	5397680
CIE _{Lab}	42.13, 20.51, -46.18
CIE _{LCh}	42, 50.528, 293.947
Yxy	12.5827, 0.2150, 0.1787
Android (android.graphics.Color)	4283587760 (0xFF525CB0)
YUV	98.5860, 38.1651, -14.5459
Hunter-Lab	35.4721, 14.1268, -46.5488

Details

The XYZ color **15.1433, 12.5827, 42.7049** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **33.0648, 37.1134, 13.4045**, and the grayscale version is **11.6696, 12.2773, 13.3700**.

A 20% lighter version of the original color is **34.7197, 30.5755, 80.4157**, and **4.8411, 3.5917, 19.1770** is the 20% darker color. If you saturate the color by 10%, you get **12.5806, 9.4447, 42.2346**, and if you desaturate by 10%, it is **18.3825, 16.4895, 43.2885**.

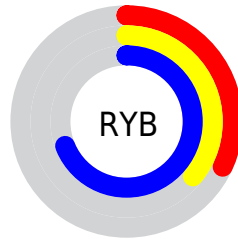
Distribution



Red (32%)

Green (36%)

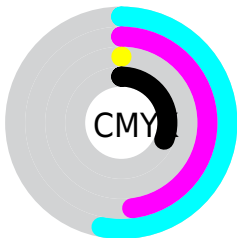
Blue (69%)



Red (32%)

Yellow (36%)

Blue (69%)

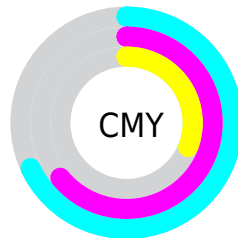


Cyan (53%)

Magenta (48%)

Yellow (0%)

Black (31%)



Cyan (68%)

Magenta (64%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1433, 12.5827, 42.7049 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 15.1433, 12.5827, 42.7049 by changing the saturation by 10% instead.

■ 15.1433, 12.5827,
42.7049

■ 15.1433, 12.5827,
42.7049

217.6032,
208.2257, 373.2823

■ 9.0070, 7.1418,
29.3240

■ 34.6740, 30.5520,
80.5469

■ 4.8029, 3.5510,
19.0783

■ 48.7990, 43.8493,
105.8451

■ 2.1656, 1.4257,
11.5495

■ 66.3177, 60.5341,
135.9527

■ 0.7245, 0.2355,
6.3189

■ 87.5954, 80.9909,
171.2884

■ 0.0000, 0.0000,
2.9681

■ 112.9975,
105.6040, 212.2707

■ 0.0000, 0.0000,
1.0783

142.8892,

■ 0.0000, 0.0000,

134.7579, 259.3180

0.0000

177.6360,
168.8370, 312.8491

■ 15.1433, 12.5827,
42.7049

■ 15.1433, 12.5827,
42.7049

■ 12.5806, 9.4447,
42.2346

■ 18.3825, 16.4895,
43.2885

■ 10.6443, 7.0234,
41.8692

■ 22.3400, 21.2104,
43.9912

■ 9.2804, 5.2616,
41.6011

■ 27.0564, 26.7884,
44.8193

■ 8.4242, 4.0930,
41.4206

■ 32.5684, 33.2633,
45.7785

■ 8.0647, 3.5909,
41.3427

■ 38.9106, 40.6722,
46.8743

■ 46.1155, 49.0501,
48.1117

■ 54.2138, 58.4305,
49.4955

■ 63.2346, 68.8450,
51.0302

■ 73.2059, 80.3239,
52.7203

Harmonies

Analogous

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



11.2127, 12.5827, 46.3645



15.1433, 12.5827, 42.7049



18.8148, 12.5827, 29.8724

Triad

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



15.1433, 12.5827, 42.7049



16.7432, 12.5827, 2.8482



6.1108, 12.5827, 11.6295

Complementary

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



15.1433, 12.5827, 42.7049



33.0648, 37.1134, 13.4045

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.



7.0117, 12.5827, 4.7657



15.1433, 12.5827, 42.7049



12.7387, 12.5827, 1.6986

Square

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



15.1433, 12.5827, 42.7049



19.8658, 12.5827, 6.8933



9.2565, 12.5827, 2.1481



6.4907, 12.5827, 23.9500

Rectangle

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



15.1433, 12.5827, 42.7049



20.3475, 12.5827, 20.2664



9.2565, 12.5827, 2.1481



6.2666, 12.5827, 8.7321

Sweetspot

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



15.1438, 12.5831, 42.7052



56.0439, 56.7833, 82.5017



25.8002, 35.5628, 41.1182



11.7053, 11.7889, 17.8029



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



15.1438, 12.5831, 42.7052



22.1369, 16.2873, 76.4723



18.3303, 13.0240, 42.6224



8.1123, 8.3708, 10.6945



5.9391, 2.6786, 30.3410



0.2103, 0.1312, 0.9625

Inverse Universe

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



22.8541, 16.0382, 12.0166



37.7531, 23.7553, 14.2103



27.8586, 37.2329, 13.7019



8.5319, 8.5195, 9.0333



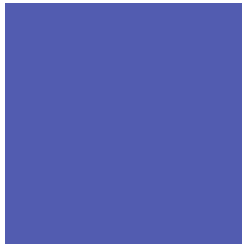
13.2324, 6.8105, 1.1180



0.4282, 0.2190, 0.0976

Previews

White Background



This preview shows how the XYZ color 15.1433, 12.5827, 42.7049 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 15.1433, 12.5827, 42.7049 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 15.1433, 12.5827, 42.7049

Background



This preview shows how black text looks on a background with the XYZ color 15.1433, 12.5827, 42.7049.



This preview shows how white text looks on a background with the XYZ color 15.1433, 12.5827,

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

15.1433, 12.5827, 42.7049

Protanopia

14.1660, 12.5606, 44.8578

Deuteranopia

13.0212, 12.7384, 41.8169



Tritanopia

10.1730, 12.5380, 18.1036

Trichromacy



Original Color

15.1433, 12.5827, 42.7049

Protanomaly

14.5436, 12.6324, 44.3196

Deuteranomaly

13.5737, 12.5874, 42.2716

Tritanomaly

11.6233, 12.3787, 25.4436

Monochromacy



Original Color

15.1433, 12.5827, 42.7049

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.5278, 12.2252, 21.7781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1433, 12.5827, 42.7049 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(82, 92, 176)` looks like.

```
.text, #text, p{  
    color:rgb(82, 92, 176)  
}
```

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(82, 92, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 92, 176) }
```

Border

The CSS property to change the border of an element to XYZ 15.1433, 12.5827, 42.7049 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(82, 92, 176) }
```


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

```
.border{ border-color:rgb(82, 92, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 92, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 92, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 92, 176);  
box-shadow:4px 4px 4px 4px rgb(82, 92,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1433, 12.5827, 42.7049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 92, 176) }
```

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

```
.background{ background-color: rgb(82, 92,  
176) }
```

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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