

Converting Colors

XYZ(16.2370, 15.2212, 41.0253)

Have a look what the booklet for
XYZ(16.2370, 15.2212, 41.0253)
contains.

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Color

**XYZ(16.2566, 15.1714,
41.1013)**

Conversions

Conversions Part 1

Format	Color
Hex	546AAC
RGB	84, 106, 172
RGB Percent	33%, 42%, 67%
CMY	0.6706, 0.5843, 0.3255
CMYK	0.51, 0.38, 0.00, 0.33
HSL	225°, 35%, 50%
HSV	225°, 51%, 67%
XYZ	16.2566, 15.1714, 41.1013
YIQ	106.9460, -34.2980, 15.8620

Conversions

Conversions Part 2

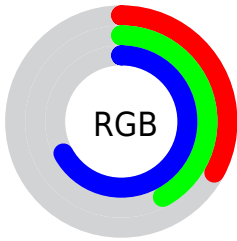
Format	Color
R_{YB}	84, 102, 172
Decimal	5532332
CIE _{Lab}	45.87, 10.87, -37.87
CIE _{LCh}	46, 39.403, 286.018
Yxy	15.1714, 0.2241, 0.2092
Android (android.graphics.Color)	4283722412 (0xFF546AAC)
YUV	106.9460, 32.0716, -20.1236
Hunter-Lab	38.9505, 6.3365, -35.2986

Details

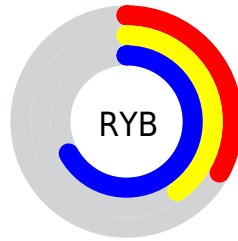
The XYZ color **16.2566, 15.1714, 41.1013** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.5208, 31.2249, 12.8595**, and the grayscale version is **13.8815, 14.6044, 15.9042**.

A 20% lighter version of the original color is **36.7080, 35.2043, 78.2592**, and **5.2946, 4.6665, 18.0744** is the 20% darker color. If you saturate the color by 10%, you get **13.6710, 12.0114, 40.6279**, and if you desaturate by 10%, it is **19.4214, 18.9274, 41.6598**.

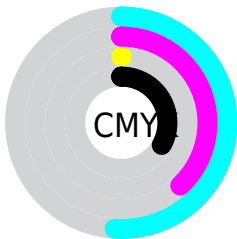
Distribution



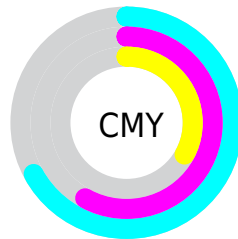
- Red (33%)
- Green (42%)
- Blue (67%)



- Red (33%)
- Yellow (40%)
- Blue (67%)



- Cyan (51%)
- Magenta (38%)
- Yellow (0%)
- Black (33%)



- Cyan (67%)
- Magenta (58%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2566, 15.1714, 41.1013 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 16.2566, 15.1714, 41.1013 by changing the saturation by 10% instead.

■ 16.2566, 15.1714,
41.1013

■ 16.2566, 15.1714,
41.1013

224.0919,
224.4013, 366.4330

■ 9.7979, 8.9398,
28.0779

■ 36.5970, 35.1536,
78.0930

■ 5.3264, 4.7019,
18.1449

■ 51.2093, 49.6729,
102.8984

■ 2.4767, 2.0734,
10.8835

■ 69.2703, 67.7236,
132.4683

■ 0.8835, 0.6496,
5.8754

■ 91.1453, 89.6901,
167.2211

■ 0.0000, 0.0000,
2.7019

117.1996,
115.9567, 207.5754

■ 0.0000, 0.0000,
0.9444

147.7985,

■ 0.0000, 0.0000,

146.9078, 253.9498

0.0000

183.3075,
182.9279, 306.7628

■ 16.2566, 15.1714,
41.1013

■ 16.2566, 15.1714,
41.1013

■ 13.6710, 12.0114,
40.6279

■ 19.4214, 18.9274,
41.6598

■ 11.6258, 9.4134,
40.2343

■ 23.1972, 23.3075,
42.3062

■ 10.0798, 7.3422,
39.9160

■ 27.6158, 28.3399,
43.0447

■ 8.9846, 5.7575,
39.6678

■ 32.7058, 34.0505,
43.8787

■ 8.3102, 4.7060,
39.5004

■ 38.4944, 40.4639,
44.8115

■ 45.0072, 47.6032,
45.8463

■ 52.2682, 55.4908,
46.9860

■ 60.3007, 64.1476,
48.2336

■ 69.1267, 73.5942,
49.5918

Harmonies

Analogous

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



12.9300, 15.1714, 41.4111



16.2566, 15.1714, 41.1013



19.5257, 15.1714, 32.7715

Triad

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



16.2566, 15.1714, 41.1013



19.3298, 15.1714, 6.5378



9.0642, 15.1714, 12.4789

Complementary

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



16.2566, 15.1714, 41.1013



29.5208, 31.2249, 12.8595

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.



10.2923, 15.1714, 6.7888



16.2566, 15.1714, 41.1013



16.0202, 15.1714, 4.3619

Square

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



16.2566, 15.1714, 41.1013



21.4777, 15.1714, 11.9652



12.7271, 15.1714, 4.4316



9.1074, 15.1714, 22.1027

Rectangle

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



16.2566, 15.1714, 41.1013



21.0840, 15.1714, 25.1328



12.7271, 15.1714, 4.4316



9.3327, 15.1714, 10.1397

Sweetspot

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



16.2572, 15.1719, 41.1017



55.3883, 57.3640, 78.9589



23.9144, 33.5924, 34.0784



11.6294, 12.0089, 17.0927



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



16.2572, 15.1719, 41.1017



24.4145, 21.3084, 73.6319



16.5614, 12.3843, 40.5476



7.7355, 8.0704, 10.1027



6.2220, 3.5779, 29.4072



0.2164, 0.1862, 0.8325

Inverse Universe

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



22.7857, 16.1527, 15.5529



37.8111, 24.2101, 21.0060



28.9310, 36.6296, 13.9338



8.0843, 8.0470, 8.7548



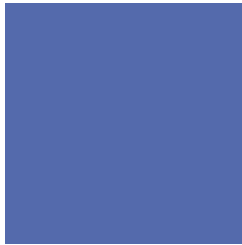
13.0042, 6.6642, 2.4017



0.3836, 0.1941, 0.1820

Previews

White Background



This preview shows how the XYZ color 16.2566, 15.1714, 41.1013 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 16.2566, 15.1714, 41.1013 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

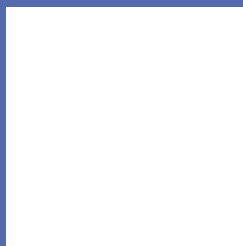
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.2566, 15.1714, 41.1013

Background



This preview shows how black text looks on a background with the XYZ color 16.2566, 15.1714, 41.1013.

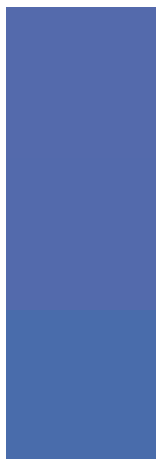


This preview shows how white text looks on a background with the XYZ color 16.2566, 15.1714,

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

16.2566, 15.1714, 41.1013

Protanopia

16.1677, 15.1256, 41.0971

Deuteranopia

15.4609, 15.0819, 40.6243



Tritanopia

12.4013, 15.2367, 21.6894

Trichromacy



Original Color

16.2566, 15.1714, 41.1013

Protanomaly

16.1677, 15.1256, 41.0971

Deuteranomaly

15.6689, 15.0334, 40.6040

Tritanomaly

13.5007, 14.9972, 27.7744

Monochromacy



Original Color

16.2566, 15.1714, 41.1013

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.5000, 14.8067, 23.5665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2566, 15.1714, 41.1013 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(84, 106, 172)` looks like.

```
.text, #text, p{  
    color:rgb(84, 106, 172)  
}
```

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(84, 106, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 106, 172) }
```

Border

The CSS property to change the border of an element to XYZ 16.2566, 15.1714, 41.1013 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(84, 106, 172) }
```


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

```
.border{ border-color:rgb(84, 106, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 106, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 106, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 106, 172);  
box-shadow:4px 4px 4px 4px rgb(84, 106,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2566, 15.1714, 41.1013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 106, 172) }
```

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

```
.background{ background-color: rgb(84, 106,  
172) }
```

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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