

Converting Colors

XYZ(15.7462, 15.6773, 41.9347)

Have a look what the booklet for
XYZ(15.7462, 15.6773, 41.9347)
contains.

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Color

**XYZ(15.6815, 15.6512,
41.7296)**

Conversions

Conversions Part 1

Format	Color
Hex	456FAD
RGB	69, 111, 173
RGB Percent	27%, 44%, 68%
CMY	0.7294, 0.5647, 0.3216
CMYK	0.60, 0.36, 0.00, 0.32
HSL	216°, 43%, 47%
HSV	216°, 60%, 68%
XYZ	15.6815, 15.6512, 41.7296
YIQ	105.5100, -44.9340, 10.3780

Conversions

Conversions Part 2

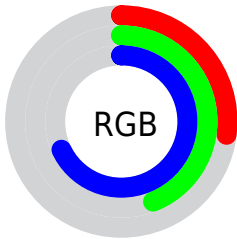
Format	Color
R _Y B	69, 99, 173
Decimal	4550573
CIE Lab	46.51, 4.78, -37.49
CIE LCh	47, 37.797, 277.263
Yxy	15.6512, 0.2146, 0.2142
Android (android.graphics.Color)	4282740653 (0xFF456FAD)
YUV	105.5100, 33.2726, -32.0193
Hunter-Lab	39.5616, 1.5214, -34.8460

Details

The XYZ color **15.6815, 15.6512, 41.7296** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **26.4250, 25.5479, 9.1696**, and the grayscale version is **13.4874, 14.1898, 15.4527**.

A 20% lighter version of the original color is **35.5206, 35.8578, 79.1778**, and **5.2236, 5.0229, 18.4635** is the 20% darker color. If you saturate the color by 10%, you get **13.5673, 12.9862, 41.3270**, and if you desaturate by 10%, it is **18.2846, 18.7616, 42.1931**.

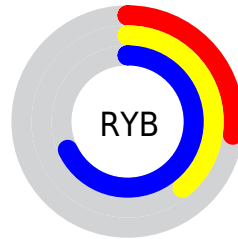
Distribution



Red (27%)

Green (44%)

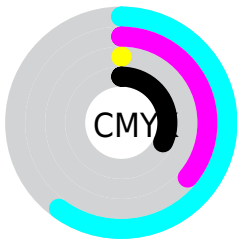
Blue (68%)



Red (27%)

Yellow (39%)

Blue (68%)

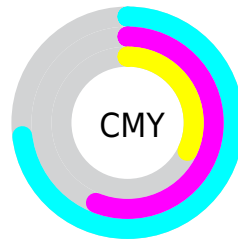


Cyan (60%)

Magenta (36%)

Yellow (0%)

Black (32%)



Cyan (73%)

Magenta (56%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6815, 15.6512, 41.7296 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 15.6815, 15.6512, 41.7296 by changing the saturation by 10% instead.

■ 15.6815, 15.6512,
41.7296

■ 15.6815, 15.6512,
41.7296

220.7624,
227.2746, 369.1273

■ 9.3885, 9.2777,
28.5656

■ 35.6063, 35.9916,
79.0559

■ 5.0546, 4.9227,
18.5097

■ 49.9688, 50.7273,
104.0553

■ 2.3144, 2.2020,
11.1433

■ 67.7518, 69.0191,
133.8369

■ 0.8020, 0.7211,
6.0480

■ 89.3208, 91.2515,
168.8193

■ 0.0000, 0.0000,
2.8050

■ 115.0409,
117.8089, 209.4210

■ 0.0000, 0.0000,
0.9959

145.2777,

■ 0.0000, 0.0000,

149.0756, 256.0606

0.0000

180.3964,
185.4360, 309.1565

■ 15.6815, 15.6512,
41.7296

■ 15.6815, 15.6512,
41.7296

■ 13.5673, 12.9862,
41.3270

■ 18.2846, 18.7616,
42.1931

■ 11.9038, 10.7397,
40.9810

■ 21.4072, 22.3388,
42.7190

■ 10.6490, 8.8834,
40.6888

■ 25.0793, 26.4043,
43.3102

■ 9.7244, 7.3802,
40.4474

■ 29.3281, 30.9779,
43.9690

■ 34.1788, 36.0780,
44.6978

■ 39.6550, 41.7221,
45.4986

■ 45.7790, 47.9268,
46.3734

■ 52.5720, 54.7079,
47.3243

■ 60.0542, 62.0805,
48.3530

Harmonies

Analogous

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



12.5853, 15.6512, 39.5007



15.6815, 15.6512, 41.7296



18.9973, 15.6512, 35.6625

Triad

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



15.6815, 15.6512, 41.7296



20.4350, 15.6512, 8.3282



9.8172, 15.6512, 11.0089

Complementary

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



15.6815, 15.6512, 41.7296



26.4250, 25.5479, 9.1696

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.



11.3985, 15.6512, 6.3848



15.6815, 15.6512, 41.7296



17.4291, 15.6512, 5.2779

Square

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



15.6815, 15.6512, 41.7296



21.9899, 15.6512, 14.8740



14.0986, 15.6512, 4.7263



9.4902, 15.6512, 19.4099

Rectangle

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



15.6815, 15.6512, 41.7296



20.7874, 15.6512, 28.6916



14.0986, 15.6512, 4.7263



10.2072, 15.6512, 9.0686

Sweetspot

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



15.6821, 15.6517, 41.7300



54.0063, 57.0515, 78.9714



21.4054, 32.7556, 26.1972



11.2342, 11.8646, 17.0857



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.



15.6821, 15.6517, 41.7300



23.2773, 21.9133, 73.8086



12.7864, 8.8799, 40.5755



7.8345, 8.2683, 10.1357



7.1971, 5.5280, 29.7322



0.2547, 0.2628, 0.8453

Inverse Universe

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



22.2315, 14.2889, 16.6256



36.5342, 21.0083, 22.5782



31.3970, 38.2452, 11.3584



8.1343, 8.0670, 9.0178



13.4964, 6.8611, 4.9934



0.4030, 0.2019, 0.2839

Previews

White Background



This preview shows how the XYZ color 15.6815, 15.6512, 41.7296 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 15.6815, 15.6512, 41.7296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

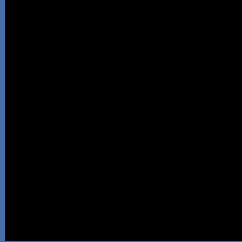
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.6815, 15.6512, 41.7296

Background



This preview shows how black text looks on a background with the XYZ color 15.6815, 15.6512, 41.7296.

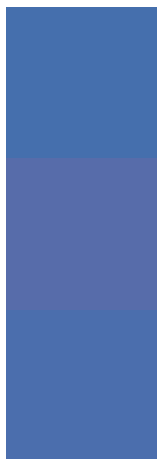


This preview shows how white text looks on a background with the XYZ color 15.6815, 15.6512,

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

15.6815, 15.6512, 41.7296

Protanopia

16.5487, 15.6536, 40.1795

Deuteranopia

16.0204, 15.6648, 41.7144



Tritanopia

12.0124, 15.6976, 23.5159

Trichromacy



Original Color

15.6815, 15.6512, 41.7296

Protanomaly

16.1276, 15.5830, 40.6859

Deuteranomaly

15.8664, 15.5855, 41.7072

Tritanomaly

13.1805, 15.6387, 29.5180

Monochromacy



Original Color

15.6815, 15.6512, 41.7296

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.9060, 14.6640, 23.2166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6815, 15.6512, 41.7296 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(69, 111, 173)` looks like.

```
.text, #text, p{  
    color:rgb(69, 111, 173)  
}
```

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(69, 111, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 111, 173) }
```

Border

The CSS property to change the border of an element to XYZ 15.6815, 15.6512, 41.7296 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(69, 111, 173) }
```


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

```
.border{ border-color:rgb(69, 111, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 111, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 111, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 111, 173);  
box-shadow:4px 4px 4px 4px rgb(69, 111,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6815, 15.6512, 41.7296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 111, 173) }
```

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

```
.background{ background-color: rgb(69, 111,  
173) }
```

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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