

Converting Colors

XYZ(16.5243, 7.4923, 66.0508)

Have a look what the booklet for
XYZ(16.5243, 7.4923, 66.0508)
contains.

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Color

**XYZ(16.5576, 7.5149,
66.2235)**

Conversions

Conversions Part 1

Format	Color
Hex	5516D9
RGB	85, 22, 217
RGB Percent	33%, 9%, 85%
CMY	0.6666, 0.9137, 0.1490
CMYK	0.61, 0.90, 0.00, 0.15
HSL	259°, 82%, 47%
HSV	259°, 90%, 85%
XYZ	16.5576, 7.5149, 66.2235
YIQ	63.0670, -25.0470, 74.0010

Conversions

Conversions Part 2

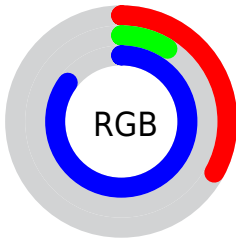
Format	Color
R_{YB}	85, 22, 217
Decimal	5576409
CIE Lab	32.95, 68.25, -85.05
CIE LCh	33, 109.051, 308.745
Yxy	7.5149, 0.1834, 0.0832
Android (android.graphics.Color)	4283766489 (0xFF5516D9)
YUV	63.0670, 75.8890, 19.2352
Hunter-Lab	27.4133, 59.8404, -124.0400

Details

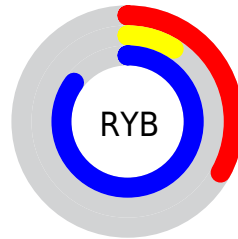
The XYZ color **16.5576, 7.5149, 66.2235** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **38.2821, 56.5528, 9.6569**, and the grayscale version is **4.6294, 4.8705, 5.3039**.

A 20% lighter version of the original color is **33.5701, 19.5889, 96.6194**, and **6.3452, 2.5381, 33.4132** is the 20% darker color. If you saturate the color by 10%, you get **15.0765, 6.3301, 66.0731**, and if you desaturate by 10%, it is **18.6356, 9.4805, 66.4936**.

Distribution



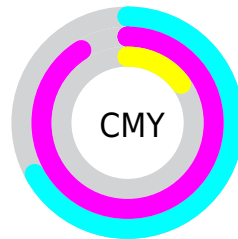
- Red (33%)
- Green (9%)
- Blue (85%)



- Red (33%)
- Yellow (9%)
- Blue (85%)



- Cyan (61%)
- Magenta (90%)
- Yellow (0%)
- Black (15%)



- Cyan (67%)
- Magenta (91%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5576, 7.5149, 66.2235 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 16.5576, 7.5149, 66.2235 by changing the saturation by 10% instead.

■ 16.5576, 7.5149,
66.2235

■ 16.5576, 7.5149,
66.2235

225.8162,
171.8761, 465.6018

■ 10.0129, 3.7861,
47.9962

■ 37.1132, 21.0018,
115.4371

■ 5.4699, 1.5547,
33.4639

■ 51.8549, 31.5287,
147.2605

■ 2.5631, 0.3267,
22.2081

■ 70.0596, 45.0905,
184.4531

■ 0.9272, 0.0000,
13.8101

■ 92.0927, 62.0716,
227.4333

■ 0.0000, 0.0000,
7.8515

■ 118.3196, 82.8563,
276.6198


■ 0.0000, 0.0000,
3.9136


■ 149.1055,

■ 0.0000, 0.0000,


107.8290, 332.4310


1.5781


 184.8159,
137.3741, 395.2855


 0.0000, 0.0000,
0.2751


 0.0000, 0.0000,
0.0000


 16.5576, 7.5149,
66.2235


 16.5576, 7.5149,
66.2235


 15.0765, 6.3301,
66.0731

 18.6356, 9.4805,
66.4936

 15.0588, 6.3163,
66.0714

 21.4269, 12.4391,
66.9176

 25.0044, 16.5143,
67.5156

 29.4309, 21.8111,
68.3047

■ 34.7619, 28.4217,
69.2997

■ 41.0480, 36.4295,
70.5140

■ 48.3360, 45.9105,
71.9599

■ 56.6692, 56.9355,
73.6488

■ 66.0884, 69.5704,
75.5911

Harmonies

Analogous

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



8.9622, 7.5149, 96.6074



16.5576, 7.5149, 66.2235



23.2339, 7.5149, 25.9074

Triad

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



16.5576, 7.5149, 66.2235



11.9567, 7.5149, 0.0000



0.8361, 7.5149, 14.0139

Complementary

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



16.5576, 7.5149, 66.2235



38.2821, 56.5528, 9.6569

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.



0.9946, 7.5149, 1.2292



16.5576, 7.5149, 66.2235



5.5878, 7.5149, 0.0000

Square

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



16.5576, 7.5149, 66.2235



19.7300, 7.5149, 0.0000



2.2117, 7.5149, 0.0000



1.5190, 7.5149, 48.4120

Rectangle

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



16.5576, 7.5149, 66.2235



24.9213, 7.5149, 8.8970



2.2117, 7.5149, 0.0000



0.8058, 7.5149, 7.5072

Sweetspot

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



16.5582, 7.5150, 66.2237



61.7648, 55.8686, 102.1361



24.6180, 28.7059, 69.8892



12.4901, 11.0160, 21.7179



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.



16.5582, 7.5150, 66.2237



21.5643, 9.0317, 95.2145



31.9259, 15.4374, 66.9429



12.7329, 12.8204, 16.4556



9.2142, 3.8743, 40.0006



0.6854, 0.2966, 2.5956

Inverse Universe

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



34.7340, 17.6581, 32.1448



48.7444, 24.2618, 41.4478



26.6879, 50.5758, 9.1143



13.4261, 13.1995, 15.5050



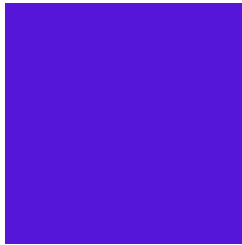
20.5549, 10.2230, 17.8337



1.3704, 0.6778, 1.3597

Previews

White Background



This preview shows how the XYZ color 16.5576, 7.5149, 66.2235 looks on a white background.

Color Contrast Check

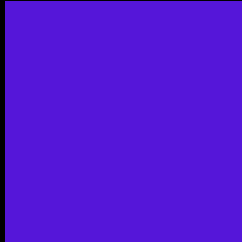
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 16.5576, 7.5149, 66.2235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

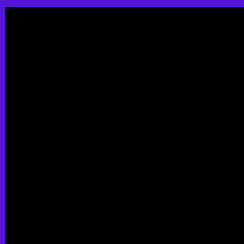
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.5576, 7.5149, 66.2235

Background



This preview shows how black text looks on a background with the XYZ color 16.5576, 7.5149, 66.2235.



This preview shows how white text looks on a background with the XYZ color 16.5576, 7.5149,

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

16.5576, 7.5149, 66.2235

Protanopia

8.6876, 7.5008, 33.3377

Deuteranopia

7.2418, 7.4866, 23.9850



Tritanopia

5.5530, 7.5745, 11.5253

Trichromacy



Original Color

16.5576, 7.5149, 66.2235

Protanomaly

10.1159, 6.3743, 43.3450

Deuteranomaly

8.9206, 6.1358, 36.3115

Tritanomaly

7.3198, 5.8822, 24.7943

Monochromacy



Original Color

16.5576, 7.5149, 66.2235

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

6.9853, 4.7854, 18.0083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5576, 7.5149, 66.2235 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(85, 22, 217)` looks like.

```
.text, #text, p{  
    color:rgb(85, 22, 217)  
}
```

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(85, 22, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 22, 217) }
```

Border

The CSS property to change the border of an element to XYZ 16.5576, 7.5149, 66.2235 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(85, 22, 217) }
```


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

```
.border{ border-color:rgb(85, 22, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 22, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 22, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 22, 217);  
box-shadow:4px 4px 4px 4px rgb(85, 22,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5576, 7.5149, 66.2235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 22, 217) }
```

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

```
.background{ background-color: rgb(85, 22,  
217) }
```

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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