

Converting Colors

XYZ(15.9211, 10.6374, 45.3121)

Have a look what the booklet for
XYZ(15.9211, 10.6374, 45.3121)
contains.

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Color

**XYZ(16.0164, 10.7215,
45.4813)**

Conversions

Conversions Part 1

Format	Color
Hex	6448B6
RGB	100, 72, 182
RGB Percent	39%, 28%, 71%
CMY	0.6078, 0.7176, 0.2863
CMYK	0.45, 0.60, 0.00, 0.29
HSL	255°, 43%, 50%
HSV	255°, 60%, 71%
XYZ	16.0164, 10.7215, 45.4813
YIQ	92.9120, -18.6220, 40.1460

Conversions

Conversions Part 2

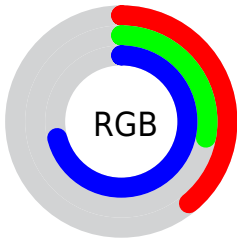
Format	Color
R_{YB}	100, 72, 182
Decimal	6572214
CIE _{Lab}	39.11, 38.64, -54.49
CIE _{LCh}	39, 66.801, 305.340
Yxy	10.7215, 0.2218, 0.1485
Android (android.graphics.Color)	4284762294 (0xFF6448B6)
YUV	92.9120, 43.9204, 6.2162
Hunter-Lab	32.7437, 30.0108, -59.4338

Details

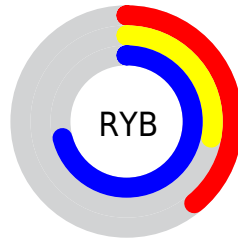
The XYZ color **16.0164, 10.7215, 45.4813** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **31.2239, 40.7939, 12.3595**, and the grayscale version is **10.2885, 10.8243, 11.7877**.

A 20% lighter version of the original color is **36.2498, 27.2190, 85.0046**, and **5.2205, 2.7895, 20.6854** is the 20% darker color. If you saturate the color by 10%, you get **13.6316, 7.9965, 45.0813**, and if you desaturate by 10%, it is **19.0004, 14.2724, 46.0097**.

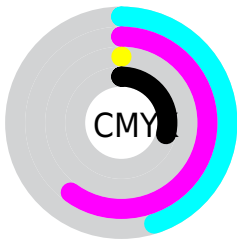
Distribution



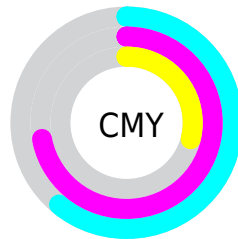
- Red (39%)
- Green (28%)
- Blue (71%)



- Red (39%)
- Yellow (28%)
- Blue (71%)



- Cyan (45%)
- Magenta (60%)
- Yellow (0%)
- Black (29%)



- Cyan (61%)
- Magenta (72%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0164, 10.7215, 45.4813 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 16.0164, 10.7215, 45.4813 by changing the saturation by 10% instead.

■ 16.0164, 10.7215,
45.4813

■ 16.0164, 10.7215,
45.4813

222.7070,
195.7468, 384.9362

■ 9.6267, 5.8799,
31.4910

■ 36.1839, 27.1440,
84.7683

■ 5.2125, 2.7722,
20.7114

■ 50.6924, 39.4937,
110.9020

■ 2.4085, 1.0140,
12.7240

■ 68.6378, 55.1149,
141.9207

■ 0.8494, 0.0000,
7.1103

■ 90.3856, 74.3919,
178.2427

■ 0.0000, 0.0000,
3.4517

■ 116.3010, 97.7092,
220.2868

■ 0.0000, 0.0000,
1.3296

146.7495,

■ 0.0000, 0.0000,

125.4512, 268.4713

0.0859

182.0964,
158.0023, 323.2150

■ 0.0000, 0.0000,
0.0000

■ 16.0164, 10.7215,
45.4813

■ 16.0164, 10.7215,
45.4813

■ 13.6316, 7.9965,
45.0813

■ 19.0004, 14.2724,
46.0097

■ 11.8002, 6.0265,
44.7975

■ 22.6214, 18.7100,
46.6753

■ 10.4719, 4.7300,
44.6173

■ 26.9158, 24.0903,
47.4875

■ 9.5852, 3.9660,
44.5165

■ 31.9167, 30.4643,
48.4542

■ 37.6550, 37.8794,
49.5831

■ 44.1596, 46.3800,
50.8810

■ 51.4580, 56.0077,
52.3547

■ 59.5760, 66.8021,
54.0103

■ 68.5386, 78.8006,
55.8539

Harmonies

Analogous

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



11.0117, 10.7215, 57.3561



16.0164, 10.7215, 45.4813



20.1711, 10.7215, 25.2556

Triad

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



16.0164, 10.7215, 45.4813



14.2150, 10.7215, 0.4697



3.8034, 10.7215, 14.1187

Complementary

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



16.0164, 10.7215, 45.4813



31.2239, 40.7939, 12.3595

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.



4.2038, 10.7215, 4.1195



16.0164, 10.7215, 45.4813



9.4111, 10.7215, 0.0640

Square

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



16.0164, 10.7215, 45.4813



18.9357, 10.7215, 2.4383



5.9825, 10.7215, 0.9043



4.6630, 10.7215, 32.4938

Rectangle

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



16.0164, 10.7215, 45.4813



21.3860, 10.7215, 13.7907



5.9825, 10.7215, 0.9043



3.7988, 10.7215, 9.7856

Sweetspot

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



16.0169, 10.7218, 45.4816



59.9709, 57.9393, 88.2583



22.7546, 28.0320, 48.4677



12.6151, 11.9867, 19.3704



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.



16.0169, 10.7218, 45.4816



23.3397, 12.9879, 81.5125



24.1829, 14.9316, 45.8637



8.7297, 8.8270, 11.3231



6.8222, 2.8282, 31.4394



0.2996, 0.1302, 1.1111

Inverse Universe

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



27.4416, 16.9131, 32.3894



46.4448, 25.5544, 52.9833



23.0983, 36.6050, 11.9792



9.2806, 9.1226, 10.8252



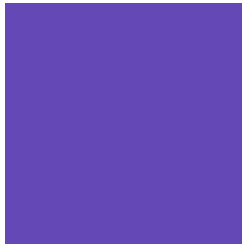
16.7730, 8.2830, 17.2232



0.6148, 0.3014, 0.7308

Previews

White Background



This preview shows how the XYZ color 16.0164, 10.7215, 45.4813 looks on a white background.

Color Contrast Check

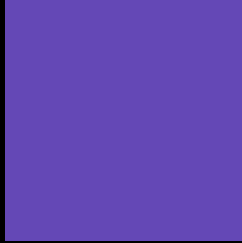
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.0164, 10.7215, 45.4813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

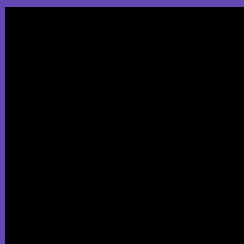
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.0164, 10.7215, 45.4813

Background



This preview shows how black text looks on a background with the XYZ color 16.0164, 10.7215, 45.4813.



This preview shows how white text looks on a background with the XYZ color 16.0164, 10.7215,

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

16.0164, 10.7215, 45.4813

Protanopia

12.7577, 10.8189, 49.5600

Deuteranopia

10.7035, 10.6857, 36.6204



Tritanopia

9.6254, 10.6270, 14.1143

Trichromacy



Original Color

16.0164, 10.7215, 45.4813

Protanomaly

12.6837, 10.1068, 47.7367

Deuteranomaly

11.4060, 9.9709, 39.8515

Tritanomaly

11.3550, 10.3205, 22.8663

Monochromacy



Original Color

16.0164, 10.7215, 45.4813

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

11.7740, 10.4645, 20.8013

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0164, 10.7215, 45.4813 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(100, 72, 182)` looks like.

```
.text, #text, p{  
  color:rgb(100, 72, 182)  
}
```

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(100, 72, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 72, 182) }
```

Border

The CSS property to change the border of an element to XYZ 16.0164, 10.7215, 45.4813 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(100, 72, 182) }
```


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

```
.border{ border-color:rgb(100, 72, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 72, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 72, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 72, 182);  
box-shadow:4px 4px 4px 4px rgb(100, 72,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0164, 10.7215, 45.4813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 72, 182) }
```

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

```
.background{ background-color: rgb(100, 72,  
182) }
```

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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