

Converting Colors

XYZ(16.2925, 10.0133, 36.6714)

Have a look what the booklet for
XYZ(16.2925, 10.0133, 36.6714)
contains.

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Color

**XYZ(16.2925, 10.0133,
36.6714)**

Conversions

Conversions Part 1

Format	Color
Hex	793CA5
RGB	121, 60, 165
RGB Percent	47%, 24%, 65%
CMY	0.5255, 0.7647, 0.3529
CMYK	0.27, 0.64, 0.00, 0.35
HSL	275°, 47%, 44%
HSV	275°, 64%, 65%
XYZ	16.2925, 10.0133, 36.6714
YIQ	90.2090, 2.6510, 45.5870

Conversions

Conversions Part 2

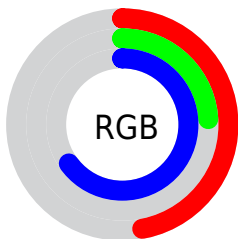
Format	Color
R_{YB}	121, 60, 165
Decimal	7945381
CIE _{Lab}	37.87, 45.57, -46.28
CIE _{LCh}	38, 64.946, 314.557
Yxy	10.0133, 0.2587, 0.1590
Android (android.graphics.Color)	4286135461 (0xFF793CA5)
YUV	90.2090, 36.8720, 27.0037
Hunter-Lab	31.6438, 36.5280, -46.5594

Details

The XYZ color **16.2925, 10.0133, 36.6714** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **19.9800, 30.1799, 9.0476**, and the grayscale version is **9.6849, 10.1893, 11.0962**.

A 20% lighter version of the original color is **36.6401, 25.8194, 71.4591**, and **5.3628, 2.5073, 15.5305** is the 20% darker color. If you saturate the color by 10%, you get **14.6246, 8.0644, 36.3833**, and if you desaturate by 10%, it is **18.3002, 12.5377, 37.0530**.

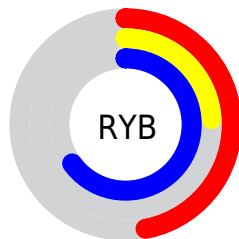
Distribution



Red (47%)

Green (24%)

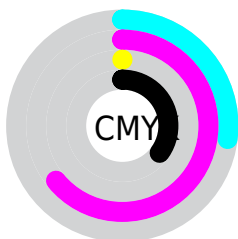
Blue (65%)



Red (47%)

Yellow (24%)

Blue (65%)

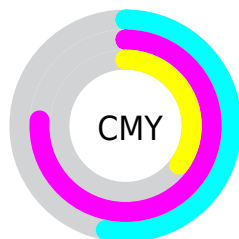


Cyan (27%)

Magenta (64%)

Yellow (0%)

Black (35%)



Cyan (53%)

Magenta (76%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2925, 10.0133, 36.6714 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 16.2925, 10.0133, 36.6714 by changing the saturation by 10% instead.

■ 16.2925, 10.0133,
36.6714

■ 16.2925, 10.0133,
36.6714

224.2982,
190.7670, 347.0114

■ 9.8235, 5.4078,
24.6594

■ 36.6586, 25.8205,
71.2478

■ 5.3435, 2.4884,
15.6068

■ 51.2865, 37.7910,
94.6492

■ 2.4870, 0.8708,
9.0950

■ 69.3647, 52.9853,
122.6842

■ 0.8887, 0.0000,
4.7055

■ 91.2586, 71.7877,
155.7713

■ 0.0000, 0.0000,
2.0198

■ 117.3335, 94.5827,
194.3290

■ 0.0000, 0.0000,
0.5674

■ 147.9548,

■ 0.0000, 0.0000,

121.7546, 238.7759

0.0000

183.4880,
153.6879, 289.5305

■ 16.2925, 10.0133,
36.6714

■ 16.2925, 10.0133,
36.6714

■ 14.6246, 8.0644,
36.3833

■ 18.3002, 12.5377,
37.0530

■ 13.2678, 6.6371,
36.1793

■ 20.6705, 15.6826,
37.5351

■ 12.1898, 5.6688,
36.0492

■ 23.4255, 19.4897,
38.1248

■ 11.6005, 5.1957,
35.9890

■ 26.5850, 23.9966,
38.8282

■ 30.1674, 29.2380,
39.6510

■ 34.1897, 35.2464,
40.5988

■ 38.6681, 42.0522,
41.6764

■ 43.6179, 49.6842,
42.8886

■ 49.0535, 58.1696,
44.2400

Harmonies

Analogous

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



11.6691, 10.0133, 51.4071



16.2925, 10.0133, 36.6714



19.4777, 10.0133, 18.1981

Triad

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



16.2925, 10.0133, 36.6714



11.8064, 10.0133, 0.1878



3.6911, 10.0133, 17.7212

Complementary

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



16.2925, 10.0133, 36.6714



19.9800, 30.1799, 9.0476

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.



3.7082, 10.0133, 5.8758



16.2925, 10.0133, 36.6714



7.6478, 10.0133, 0.1696

Square

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



16.2925, 10.0133, 36.6714



16.4179, 10.0133, 1.4408



4.9416, 10.0133, 1.3769



4.8854, 10.0133, 36.1123

Rectangle

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



16.2925, 10.0133, 36.6714



19.9049, 10.0133, 9.1847



4.9416, 10.0133, 1.3769



3.5696, 10.0133, 12.8227

Sweetspot

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



16.2929, 10.0137, 36.6716



50.2673, 46.8353, 70.1431



13.7580, 13.8830, 37.5521



10.6178, 9.6981, 15.2498



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



16.2929, 10.0137, 36.6716



25.2159, 13.3781, 65.0055



23.3048, 13.7000, 33.7641



7.0761, 7.0536, 8.8916



8.8337, 3.9604, 27.2286



0.2378, 0.1101, 0.5746

Inverse Universe

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



19.6319, 12.2309, 14.4232



32.3592, 18.0767, 19.4340



16.3321, 28.2765, 9.9077



7.1911, 7.1329, 7.9930



12.5787, 6.3875, 4.9719



0.2876, 0.1435, 0.2273

Previews

White Background



This preview shows how the XYZ color 16.2925, 10.0133, 36.6714 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 16.2925, 10.0133, 36.6714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

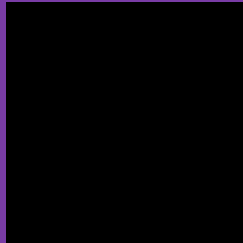
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.2925, 10.0133, 36.6714

Background



This preview shows how black text looks on a background with the XYZ color 16.2925, 10.0133, 36.6714.



This preview shows how white text looks on a background with the XYZ color 16.2925, 10.0133,

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

16.2925, 10.0133, 36.6714

Protanopia

11.8750, 10.0745, 46.1184

Deuteranopia

10.4251, 10.2050, 34.2212



Tritanopia

11.0808, 10.0959, 10.8159

Trichromacy



Original Color

16.2925, 10.0133, 36.6714



Protanomaly

11.5291, 8.9778, 42.1995



Deuteranomaly

11.2262, 9.3026, 34.9221



Tritanomaly

12.5370, 9.8272, 18.0657

Monochromacy



Original Color

16.2925, 10.0133, 36.6714



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

11.3737, 9.6430, 18.0915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2925, 10.0133, 36.6714 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(121, 60, 165)` looks like.

```
.text, #text, p{  
    color:rgb(121, 60, 165)  
}
```

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(121, 60, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 60, 165) }
```

Border

The CSS property to change the border of an element to XYZ 16.2925, 10.0133, 36.6714 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(121, 60, 165) }
```


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

```
.border{ border-color:rgb(121, 60, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 60, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 60, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 60, 165);  
box-shadow:4px 4px 4px 4px rgb(121, 60,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2925, 10.0133, 36.6714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 60, 165) }
```

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

```
.background{ background-color: rgb(121, 60,  
165) }
```

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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