

Converting Colors

XYZ(15.6180, 9.5604, 39.0355)

Have a look what the booklet for
XYZ(15.6180, 9.5604, 39.0355)
contains.

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Color

**XYZ(15.6297, 9.5409,
39.0480)**

Conversions

Conversions Part 1

Format	Color
Hex	713BAA
RGB	113, 59, 170
RGB Percent	44%, 23%, 67%
CMY	0.5569, 0.7686, 0.3333
CMYK	0.34, 0.65, 0.00, 0.33
HSL	269°, 48%, 45%
HSV	269°, 65%, 67%
XYZ	15.6297, 9.5409, 39.0480
YIQ	87.8000, -3.4470, 45.9690

Conversions

Conversions Part 2

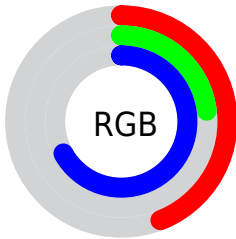
Format	Color
R_{YB}	113, 59, 170
Decimal	7420842
CIE _{Lab}	37.01, 45.46, -50.71
CIE _{LCh}	37, 68.099, 311.877
Yxy	9.5409, 0.2434, 0.1486
Android (android.graphics.Color)	4285610922 (0xFF713BAA)
YUV	87.8000, 40.5246, 22.1004
Hunter-Lab	30.8883, 36.2675, -53.3306

Details

The XYZ color **15.6297, 9.5409, 39.0480** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **22.3666, 32.7783, 9.2859**, and the grayscale version is **9.1478, 9.6242, 10.4808**.

A 20% lighter version of the original color is **35.4518, 24.9677, 74.9022**, and **5.0688, 2.3227, 17.0108** is the 20% darker color. If you saturate the color by 10%, you get **13.8244, 7.5177, 38.7528**, and if you desaturate by 10%, it is **17.8284, 12.1894, 39.4435**.

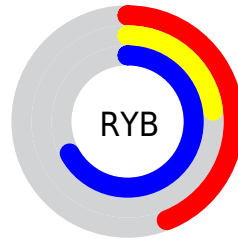
Distribution



Red (44%)

Green (23%)

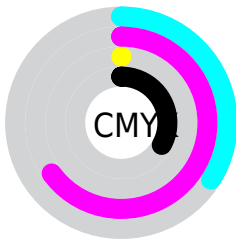
Blue (67%)



Red (44%)

Yellow (23%)

Blue (67%)

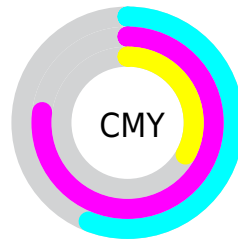


Cyan (34%)

Magenta (65%)

Yellow (0%)

Black (33%)



Cyan (56%)

Magenta (77%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6297, 9.5409, 39.0480 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 15.6297, 9.5409, 39.0480 by changing the saturation by 10% instead.

15.6297, 9.5409,
39.0480

15.6297, 9.5409,
39.0480

220.4602,
187.3633, 357.5266

9.3517, 5.0956,
26.4890

35.5168, 24.9283,
74.9328

5.0302, 2.3035,
16.9607

49.8566, 36.6393,
99.0956

2.2999, 0.7756,
10.0448

67.6144, 51.5409,
127.9634

0.7946, 0.0000,
5.3227

89.1555, 70.0177,
161.9548

0.0000, 0.0000,
2.3758

114.8452, 92.4539,
201.4883

0.0000, 0.0000,
0.7732

145.0491,

0.0000, 0.0000,

119.2339, 246.9824

0.0000

180.1323,
150.7423, 298.8556

■ 15.6297, 9.5409,
39.0480

■ 15.6297, 9.5409,
39.0480

■ 13.8244, 7.5177,
38.7528

■ 17.8284, 12.1894,
39.4435

■ 12.3794, 6.0597,
38.5476

■ 20.4471, 15.5136,
39.9471

■ 11.2557, 5.0933,
38.4202

■ 23.5112, 19.5599,
40.5666

■ 10.7971, 4.7279,
38.3739

■ 27.0437, 24.3699,
41.3089

■ 31.0657, 29.9822,
42.1802

■ 35.5970, 36.4327,
43.1864

■ 40.6563, 43.7549,
44.3331

■ 46.2612, 51.9807,
45.6254

■ 52.4286, 61.1402,
47.0684

Harmonies

Analogous

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



10.8417, 9.5409, 53.7144



15.6297, 9.5409, 39.0480



19.1642, 9.5409, 19.4159

Triad

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



15.6297, 9.5409, 39.0480



11.8317, 9.5409, 0.0000



3.2226, 9.5409, 15.9385

Complementary

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



15.6297, 9.5409, 39.0480



22.3666, 32.7783, 9.2859

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.



3.3387, 9.5409, 4.7097



15.6297, 9.5409, 39.0480



7.4997, 9.5409, 0.0000

Square

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



15.6297, 9.5409, 39.0480



16.5451, 9.5409, 1.3188



4.6610, 9.5409, 0.9157



4.2715, 9.5409, 34.8803

Rectangle

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



15.6297, 9.5409, 39.0480



19.8269, 9.5409, 9.6462



4.6610, 9.5409, 0.9157



3.1385, 9.5409, 11.1678

Sweetspot

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



15.6301, 9.5412, 39.0482



52.5526, 49.0513, 75.6999



15.3454, 16.4040, 40.3879



11.2830, 10.3317, 16.7872



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.



15.6301, 9.5412, 39.0482



23.9267, 12.4323, 70.1405



25.0003, 14.3717, 39.4867



7.4662, 7.4729, 9.4672



8.0064, 3.5109, 28.2312



0.2541, 0.1160, 0.6896

Inverse Universe

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



21.2940, 12.9351, 17.8972



35.7317, 19.5117, 25.8004



17.0796, 30.0528, 9.0384



7.6859, 7.6042, 8.6630



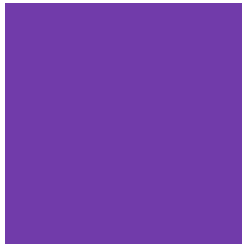
13.4973, 6.8076, 7.4303



0.3541, 0.1759, 0.3162

Previews

White Background



This preview shows how the XYZ color 15.6297, 9.5409, 39.0480 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 15.6297, 9.5409, 39.0480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

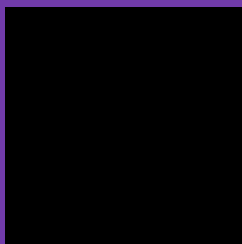
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.6297, 9.5409, 39.0480

Background



This preview shows how black text looks on a background with the XYZ color 15.6297, 9.5409, 39.0480.



This preview shows how white text looks on a background with the XYZ color 15.6297, 9.5409,

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

15.6297, 9.5409, 39.0480

Protanopia

11.3070, 9.5953, 43.9040

Deuteranopia

9.6582, 9.5791, 33.2382



Tritanopia

9.8685, 9.4661, 10.9799

Trichromacy



Original Color

15.6297, 9.5409, 39.0480

Protanomaly

11.2670, 8.6382, 42.1478

Deuteranomaly

10.1604, 8.5288, 35.2931

Tritanomaly

11.3721, 9.1130, 18.6124

Monochromacy



Original Color

15.6297, 9.5409, 39.0480

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

10.8537, 9.1571, 18.3350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6297, 9.5409, 39.0480 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(113, 59, 170)` looks like.

```
.text, #text, p{  
    color:rgb(113, 59, 170)  
}
```

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(113, 59, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 59, 170) }
```

Border

The CSS property to change the border of an element to XYZ 15.6297, 9.5409, 39.0480 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(113, 59, 170) }
```


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

```
.border{ border-color:rgb(113, 59, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 59, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 59, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 59, 170); box-shadow:4px 4px 4px 4px rgb(113, 59, 170) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6297, 9.5409, 39.0480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 59, 170) }
```

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

```
.background{ background-color: rgb(113, 59,  
170) }
```

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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