

Converting Colors

XYZ(16.1269, 10.1972, 35.7690)

Have a look what the booklet for
XYZ(16.1269, 10.1972, 35.7690)
contains.

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Color

**XYZ(16.1341, 10.1924,
35.7673)**

Conversions

Conversions Part 1

Format	Color
Hex	783FA3
RGB	120, 63, 163
RGB Percent	47%, 25%, 64%
CMY	0.5294, 0.7529, 0.3608
CMYK	0.26, 0.61, 0.00, 0.36
HSL	274°, 44%, 44%
HSV	274°, 61%, 64%
XYZ	16.1341, 10.1924, 35.7673
YIQ	91.4430, 1.8720, 43.1840

Conversions

Conversions Part 2

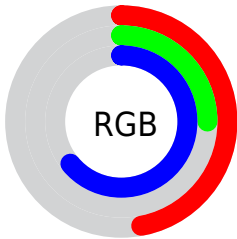
Format	Color
R _Y B	120, 63, 163
Decimal	7880611
CIE Lab	38.19, 43.29, -44.57
CIE LCh	38, 62.135, 314.161
Yxy	10.1924, 0.2598, 0.1641
Android (android.graphics.Color)	4286070691 (0xFF783FA3)
YUV	91.4430, 35.2776, 25.0445
Hunter-Lab	31.9255, 34.3382, -44.0768

Details

The XYZ color **16.1341, 10.1924, 35.7673** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **19.9384, 29.6176, 9.3688**, and the grayscale version is **9.9669, 10.4860, 11.4192**.

A 20% lighter version of the original color is **36.4827, 26.2631, 70.1643**, and **5.2489, 2.5584, 14.9690** is the 20% darker color. If you saturate the color by 10%, you get **14.4247, 8.1639, 35.4660**, and if you desaturate by 10%, it is **18.1827, 12.7928, 36.1614**.

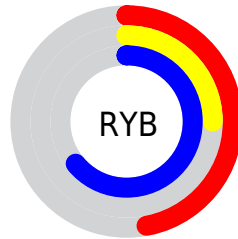
Distribution



Red (47%)

Green (25%)

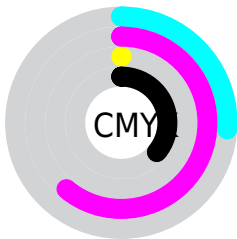
Blue (64%)



Red (47%)

Yellow (25%)

Blue (64%)

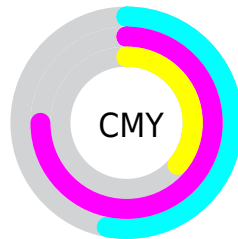


Cyan (26%)

Magenta (61%)

Yellow (0%)

Black (36%)



Cyan (53%)

Magenta (75%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1341, 10.1924, 35.7673 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 16.1341, 10.1924, 35.7673 by changing the saturation by 10% instead.

16.1341, 10.1924,
35.7673

16.1341, 10.1924,
35.7673

223.3866,
192.0398, 342.9489

9.7105, 5.5267,
23.9663

36.3864, 26.1568,
69.8377

5.2683, 2.5595,
15.0966

50.9459, 38.2242,
92.9442

2.4419, 0.9063,
8.7399

68.9481, 53.5277,
120.6563

0.8660, 0.0000,
4.4774

90.7583, 72.4517,
153.3924

0.0000, 0.0000,
1.8907

116.7419, 95.3805,
191.5712

0.0000, 0.0000,
0.4868

147.2642,

0.0000, 0.0000,

122.6985, 235.6112

0.0000

182.6907,
154.7901, 285.9309

■ 16.1341, 10.1924,
35.7673

■ 16.1341, 10.1924,
35.7673

■ 14.4247, 8.1639,
35.4660

■ 18.1827, 12.7928,
36.1614

■ 13.0274, 6.6566,
35.2487

■ 20.5922, 16.0076,
36.6550

■ 11.9123, 5.6125,
35.1060

■ 23.3836, 19.8763,
37.2546

■ 11.1162, 4.9669,
35.0233

■ 26.5759, 24.4348,
37.9662

■ 30.1868, 29.7164,
38.7953

■ 34.2327, 35.7521,
39.7471

■ 38.7291, 42.5710,
40.8263

■ 43.6908, 50.2009,
42.0375

■ 49.1318, 58.6678,
43.3850

Harmonies

Analogous

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



11.7049, 10.1924, 49.3897



16.1341, 10.1924, 35.7673



19.1918, 10.1924, 18.3048

Triad

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



16.1341, 10.1924, 35.7673



11.9547, 10.1924, 0.4238



3.9583, 10.1924, 17.4444

Complementary

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



16.1341, 10.1924, 35.7673



19.9384, 29.6176, 9.3688

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.



3.9907, 10.1924, 6.0849



16.1341, 10.1924, 35.7673



7.9165, 10.1924, 0.3909

Square

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



16.1341, 10.1924, 35.7673



16.3601, 10.1924, 1.7152



5.2377, 10.1924, 1.5865



5.1322, 10.1924, 34.7763

Rectangle

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



16.1341, 10.1924, 35.7673



19.6259, 10.1924, 9.5673



5.2377, 10.1924, 1.5865



3.8414, 10.1924, 12.7833

Sweetspot

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



16.1345, 10.1928, 35.7675



49.4646, 46.4734, 68.4193



13.8495, 14.0783, 36.6380



10.7201, 9.8725, 15.2781



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.



16.1345, 10.1928, 35.7675



24.7621, 13.4277, 63.3428



22.9110, 13.7534, 33.0480



7.0687, 7.0498, 8.8913



8.6921, 3.8874, 27.2220



0.2353, 0.1088, 0.5745

Inverse Universe

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



19.4834, 12.3824, 14.9988



31.9542, 18.0946, 20.3425



16.2423, 27.6894, 10.2281



7.1943, 7.1342, 8.0095



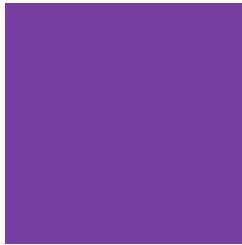
12.6221, 6.4049, 5.2005



0.2887, 0.1440, 0.2330

Previews

White Background



This preview shows how the XYZ color 16.1341, 10.1924, 35.7673 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 16.1341, 10.1924, 35.7673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

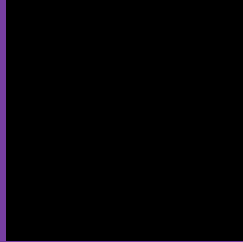
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.1341, 10.1924, 35.7673

Background



This preview shows how black text looks on a background with the XYZ color 16.1341, 10.1924, 35.7673.



This preview shows how white text looks on a background with the XYZ color 16.1341, 10.1924,

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

16.1341, 10.1924, 35.7673

Protanopia

12.1652, 10.3192, 47.2496

Deuteranopia

10.5200, 10.2738, 33.3269



Tritanopia

11.0792, 10.2046, 11.0586

Trichromacy



Original Color

16.1341, 10.1924, 35.7673

Protanomaly

11.6989, 9.1586, 42.7462

Deuteranomaly

11.4472, 9.5463, 34.0402

Tritanomaly

12.4774, 9.8980, 18.0825

Monochromacy



Original Color

16.1341, 10.1924, 35.7673

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

11.6328, 9.9940, 18.1455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1341, 10.1924, 35.7673 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(120, 63, 163)` looks like.

```
.text, #text, p{  
    color:rgb(120, 63, 163)  
}
```

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(120, 63, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 63, 163) }
```

Border

The CSS property to change the border of an element to XYZ 16.1341, 10.1924, 35.7673 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(120, 63, 163) }
```


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

```
.border{ border-color:rgb(120, 63, 163) }
```

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

Here you see how a box with a 4 pixel rgb(120, 63, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 63, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 63, 163);  
box-shadow:4px 4px 4px 4px rgb(120, 63,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1341, 10.1924, 35.7673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 63, 163) }
```

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

```
.background{ background-color: rgb(120, 63,  
163) }
```

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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