

Converting Colors

XYZ(16.1691, 10.2362, 40.8534)

Have a look what the booklet for
XYZ(16.1691, 10.2362, 40.8534)
contains.

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Color

**XYZ(16.1152, 10.2425,
40.6628)**

Conversions

Conversions Part 1

Format	Color
Hex	7041AD
RGB	112, 65, 173
RGB Percent	44%, 25%, 68%
CMY	0.5608, 0.7451, 0.3216
CMYK	0.35, 0.62, 0.00, 0.32
HSL	266°, 45%, 47%
HSV	266°, 62%, 68%
XYZ	16.1152, 10.2425, 40.6628
YIQ	91.3650, -6.6560, 43.5520

Conversions

Conversions Part 2

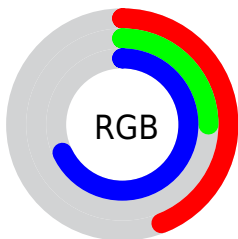
Format	Color
R_{YB}	112, 65, 173
Decimal	7356845
CIE _{Lab}	38.27, 42.80, -50.45
CIE _{LCh}	38, 66.158, 310.308
Yxy	10.2425, 0.2405, 0.1528
Android (android.graphics.Color)	4285546925 (0xFF7041AD)
YUV	91.3650, 40.2461, 18.0969
Hunter-Lab	32.0039, 33.8748, -52.9286

Details

The XYZ color **16.1152, 10.2425, 40.6628** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **24.5020, 34.7046, 10.4086**, and the grayscale version is **9.9397, 10.4573, 11.3880**.

A 20% lighter version of the original color is **36.2099, 26.1341, 77.2647**, and **5.2483, 2.5676, 17.9883** is the 20% darker color. If you saturate the color by 10%, you get **14.0934, 7.9451, 40.3261**, and if you desaturate by 10%, it is **18.5770, 13.2184, 41.1077**.

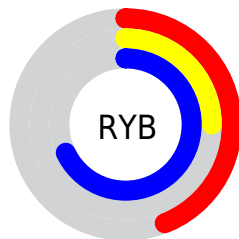
Distribution



Red (44%)

Green (25%)

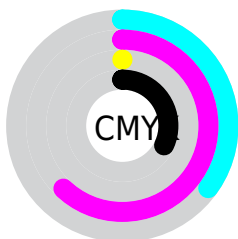
Blue (68%)



Red (44%)

Yellow (25%)

Blue (68%)

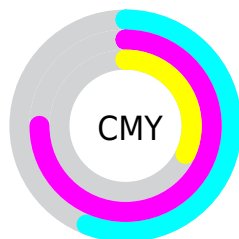


Cyan (35%)

Magenta (62%)

Yellow (0%)

Black (32%)



Cyan (56%)

Magenta (75%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1152, 10.2425, 40.6628 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 16.1152, 10.2425, 40.6628 by changing the saturation by 10% instead.

■ 16.1152, 10.2425,
40.6628

■ 16.1152, 10.2425,
40.6628

■ 223.2776,
192.3942, 364.5441

■ 9.6971, 5.5600,
27.7380

■ 36.3539, 26.2506,
77.4198

■ 5.2593, 2.5795,
17.8909

■ 50.9052, 38.3451,
102.0892

■ 2.4365, 0.9163,
10.7031

■ 68.8983, 53.6790,
131.5104

■ 0.8633, 0.0000,
5.7559

■ 90.6985, 72.6368,
166.1021

■ 0.0000, 0.0000,
2.6308

■ 116.6711, 95.6028,
206.2827

■ 0.0000, 0.0000,
0.9083

■ 147.1816,

■ 0.0000, 0.0000,

122.9614, 252.4709

0.0000

182.5953,
155.0971, 305.0852

■ 16.1152, 10.2425,
40.6628

■ 16.1152, 10.2425,
40.6628

■ 14.0934, 7.9451,
40.3261

■ 18.5770, 13.2184,
41.1077

■ 12.4771, 6.2652,
40.0871

■ 21.5066, 16.9242,
41.6685

■ 11.2280, 5.1325,
39.9343

■ 24.9310, 21.4074,
42.3534

■ 10.4672, 4.5247,
39.8570

■ 28.8746, 26.7109,
43.1692

■ 33.3598, 32.8747,
44.1226

■ 38.4080, 39.9359,
45.2194

■ 44.0390, 47.9295,
46.4656

■ 50.2720, 56.8885,
47.8663

■ 57.1249, 66.8444,
49.4268

Harmonies

Analogous

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



11.2892, 10.2425, 54.3656



16.1152, 10.2425, 40.6628



19.7658, 10.2425, 21.1722

Triad

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



16.1152, 10.2425, 40.6628



12.7918, 10.2425, 0.2587



3.6604, 10.2425, 15.9432

Complementary

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



16.1152, 10.2425, 40.6628



24.5020, 34.7046, 10.4086

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.



3.8457, 10.2425, 4.9300



16.1152, 10.2425, 40.6628



8.3307, 10.2425, 0.0629

Square

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



16.1152, 10.2425, 40.6628



17.4894, 10.2425, 1.7820



5.3101, 10.2425, 1.0917



4.6975, 10.2425, 34.5195

Rectangle

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



16.1152, 10.2425, 40.6628



20.5502, 10.2425, 11.0255



5.3101, 10.2425, 1.0917



3.5915, 10.2425, 11.2802

Sweetspot

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



16.1157, 10.2429, 40.6631



54.0932, 51.0862, 77.8154



17.2096, 19.1142, 42.3177



11.2917, 10.4688, 16.8132



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.



16.1157, 10.2429, 40.6631



24.0334, 12.9357, 72.0359



25.1174, 14.8834, 41.0843



7.8972, 7.9213, 10.0654



7.7529, 3.3566, 29.2838



0.2792, 0.1261, 0.8176

Inverse Universe

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



22.8900, 14.1715, 21.2676



37.8823, 20.9888, 31.3995



18.5854, 31.6545, 10.1317



8.1876, 8.0883, 9.2985



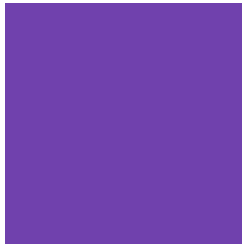
14.2993, 7.1823, 9.2217



0.4246, 0.2105, 0.3978

Previews

White Background



This preview shows how the XYZ color 16.1152, 10.2425, 40.6628 looks on a white background.

Color Contrast Check

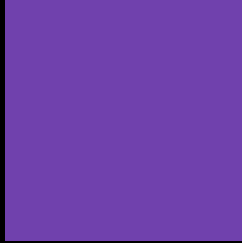
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1152, 10.2425, 40.6628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

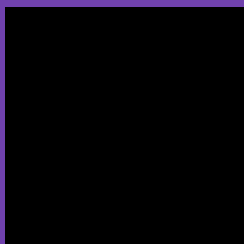
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.1152, 10.2425, 40.6628

Background



This preview shows how black text looks on a background with the XYZ color 16.1152, 10.2425, 40.6628.



This preview shows how white text looks on a background with the XYZ color 16.1152, 10.2425,

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

16.1152, 10.2425, 40.6628

Protanopia

12.1652, 10.3192, 47.2496

Deuteranopia

10.3487, 10.2629, 35.6179



Tritanopia

10.3792, 10.2925, 12.2661

Trichromacy



Original Color

16.1152, 10.2425, 40.6628

Protanomaly

12.0509, 9.3996, 44.8952

Deuteranomaly

10.8147, 9.2592, 37.2936

Tritanomaly

11.9233, 9.9922, 20.0391

Monochromacy



Original Color

16.1152, 10.2425, 40.6628

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

11.6141, 10.0677, 19.4203

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1152, 10.2425, 40.6628 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(112, 65, 173)` looks like.

```
.text, #text, p{  
    color:rgb(112, 65, 173)  
}
```

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(112, 65, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 65, 173) }
```

Border

The CSS property to change the border of an element to XYZ 16.1152, 10.2425, 40.6628 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(112, 65, 173) }
```


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

```
.border{ border-color:rgb(112, 65, 173) }
```

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

Here you see how a box with a 4 pixel rgb(112, 65, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 65, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 65, 173);  
box-shadow:4px 4px 4px 4px rgb(112, 65,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1152, 10.2425, 40.6628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 65, 173) }
```

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

```
.background{ background-color: rgb(112, 65,  
173) }
```

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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