

Converting Colors

XYZ(28.3466, 23.4225, 38.7646)

Have a look what the booklet for
XYZ(28.3466, 23.4225, 38.7646)
contains.

XYZ(28.3742, 23.4600, 38.6301)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.3742, 23.4600,
38.6301)**

Conversions

Conversions Part 1

Format	Color
Hex	A376A5
RGB	163, 118, 165
RGB Percent	64%, 46%, 65%
CMY	0.3608, 0.5372, 0.3529
CMYK	0.01, 0.28, 0.00, 0.35
HSL	297°, 21%, 55%
HSV	297°, 28%, 65%
XYZ	28.3742, 23.4600, 38.6301
YIQ	136.8130, 11.7330, 24.1570

Conversions

Conversions Part 2

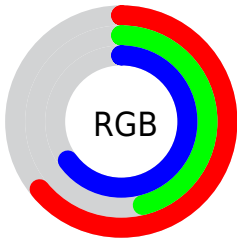
Format	Color
<code>RYB</code>	<code>163, 118, 165</code>
Decimal	<code>10712741</code>
CIELab	<code>55.54, 25.79, -18.24</code>
CIELCh	<code>56, 31.588, 324.740</code>
Yxy	<code>23.4600, 0.3137, 0.2593</code>
Android (<code>android.graphics.Color</code>)	<code>4288902821 (0xFFA376A5)</code>
YUV	<code>136.8130, 13.8962, 22.9660</code>
Hunter-Lab	<code>48.4355, 19.8056, -13.3823</code>

Details

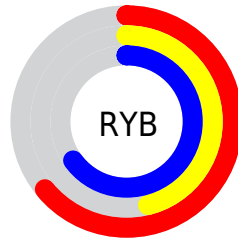
The XYZ color **28.3742, 23.4600, 38.6301** is a light color, and the websafe version is hex **996699**. A complement of this color would be **24.4717, 32.2120, 22.0684**, and the grayscale version is **23.6540, 24.8859, 27.1007**.

A 20% lighter version of the original color is **56.3946, 49.1986, 74.2341**, and **11.6643, 8.8280, 16.7120** is the 20% darker color. If you saturate the color by 10%, you get **26.4554, 19.8348, 38.0318**, and if you desaturate by 10%, it is **30.6351, 27.7674, 39.3427**.

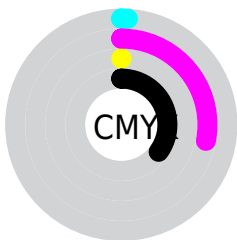
Distribution



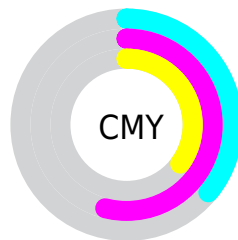
- Red (64%)
- Green (46%)
- Blue (65%)



- Red (64%)
- Yellow (46%)
- Blue (65%)



- Cyan (1%)
- Magenta (28%)
- Yellow (0%)
- Black (35%)





- Cyan (36%)
- Magenta (54%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.3742, 23.4600, 38.6301 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 28.3742, 23.4600, 38.6301 by changing the saturation by 10% instead.

 28.3742, 23.4600,
38.6301


 28.3742, 23.4600,
38.6301


286.2984,
270.0789, 355.6942


 18.7498, 14.9335,
26.1665


 56.4858, 49.1475,
74.2870

 11.5926, 8.7728,
16.7213


 75.7037, 67.0774,
98.3174

 6.5371, 4.5933,
9.8762


 98.8502, 88.9106,
127.0404

 3.2181, 2.0106,
5.2124

126.2906,
115.0313, 160.8746

 1.2701, 0.6136,
2.3115

158.3903,
145.8242, 200.2385

 0.1607, 0.0000,
0.7377

195.5146,

 0.0000, 0.0000,

181.6735, 245.5507

0.0000

238.0288,
222.9636, 297.2298

■ 28.3742, 23.4600,
38.6301

■ 28.3742, 23.4600,
38.6301

■ 26.4554, 19.8348,
38.0318

■ 30.6351, 27.7674,
39.3427

■ 24.8589, 16.8534,
37.5405

■ 33.2524, 32.7868,
40.1736

■ 23.5660, 14.4782,
37.1502

■ 36.2422, 38.5499,
41.1284

■ 22.5555, 12.6664,
36.8537

■ 39.6189, 45.0857,
42.2120

■ 21.8031, 11.3697,
36.6431

■ 43.3962, 52.4215,
43.4288

■ 21.2807, 10.5318,
36.5089

■ 47.5871, 60.5833,
44.7833

■ 20.9363, 10.0488,
36.4338

■ 52.2040, 69.5960,
46.2796

■ 20.8882, 9.9837,
36.4238

■ 57.2589, 79.4834,
47.9217

■ 58.9825, 82.7071,
48.4531

Harmonies

Analogous

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



25.2904, 23.4600, 47.8337



28.3742, 23.4600, 38.6301



29.8411, 23.4600, 27.3855

Triad

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



28.3742, 23.4600, 38.6301



22.9321, 23.4600, 10.5620



16.6357, 23.4600, 34.6684

Complementary

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



28.3742, 23.4600, 38.6301



24.4717, 32.2120, 22.0684

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.



16.1470, 23.4600, 23.7868



28.3742, 23.4600, 38.6301



19.5515, 23.4600, 11.5448

Square

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



28.3742, 23.4600, 38.6301



26.4923, 23.4600, 12.6370



17.1578, 23.4600, 15.8074



18.5716, 23.4600, 45.1523

Rectangle

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



28.3742, 23.4600, 38.6301



29.6029, 23.4600, 20.8691



17.1578, 23.4600, 15.8074



16.3061, 23.4600, 30.8695

Sweetspot

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



28.3749, 23.4610, 38.6306



59.2116, 58.0635, 71.8389



21.0224, 20.0866, 38.3668



12.7954, 12.4066, 15.6578



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.



28.3749, 23.4610, 38.6306



48.6359, 37.8887, 68.5022



27.0188, 22.9663, 29.3352



7.3344, 7.1868, 8.9037



15.8129, 7.5583, 27.5553



0.3407, 0.1632, 0.5794

Inverse Universe

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



25.3865, 22.3133, 20.7393



42.4399, 35.5139, 31.1927



25.5983, 32.6309, 29.4337



7.0854, 7.0906, 7.4362



11.7727, 6.0651, 0.7278



0.2508, 0.1288, 0.0335

Previews

White Background



This preview shows how the XYZ color 28.3742, 23.4600, 38.6301 looks on a white background.

Color Contrast Check

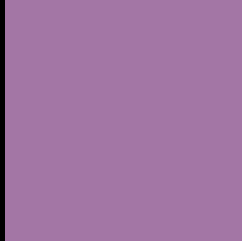
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 28.3742, 23.4600, 38.6301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

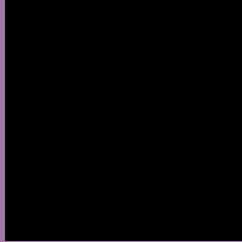
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.3742, 23.4600, 38.6301

Background



This preview shows how black text looks on a background with the XYZ color 28.3742, 23.4600, 38.6301.



This preview shows how white text looks on a background with the XYZ color 28.3742, 23.4600,

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

28.3742, 23.4600, 38.6301

Protanopia

24.0152, 23.7352, 43.8731

Deuteranopia

24.1092, 23.5151, 37.9185



Tritanopia

25.8088, 23.5075, 25.7314

Trichromacy



Original Color

28.3742, 23.4600, 38.6301

Protanomaly

25.2566, 23.4374, 41.7208

Deuteranomaly

25.4894, 23.4417, 38.3032

Tritanomaly

26.5676, 23.4370, 29.9116

Monochromacy



Original Color

28.3742, 23.4600, 38.6301

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

25.1032, 24.1828, 30.9484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3742, 23.4600, 38.6301 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(163, 118, 165)` looks like.

```
.text, #text, p{  
    color:rgb(163, 118, 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(163, 118, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 118, 165) }
```

Border

The CSS property to change the border of an element to XYZ 28.3742, 23.4600, 38.6301 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(163, 118, 165) }
```


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

```
.border{ border-color:rgb(163, 118, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 118, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 118, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 118, 165);  
box-shadow:4px 4px 4px 4px rgb(163, 118,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3742, 23.4600, 38.6301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 118, 165) }
```

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

```
.background{ background-color: rgb(163,  
118, 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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