

Converting Colors

XYZ(29.6570, 24.0653, 39.7116)

Have a look what the booklet for
XYZ(29.6570, 24.0653, 39.7116)
contains.

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Color

**XYZ(29.6019, 24.0717,
39.6453)**

Conversions

Conversions Part 1

Format	Color
Hex	A876A7
RGB	168, 118, 167
RGB Percent	66%, 46%, 65%
CMY	0.3412, 0.5372, 0.3451
CMYK	0.00, 0.30, 0.01, 0.34
HSL	301°, 22%, 56%
HSV	301°, 30%, 66%
XYZ	29.6019, 24.0717, 39.6453
YIQ	138.5360, 14.0710, 25.8390

Conversions

Conversions Part 2

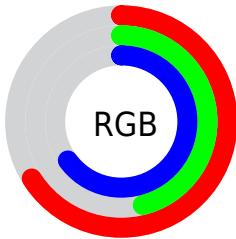
Format	Color
R_{YB}	168, 118, 167
Decimal	11040423
CIE _{Lab}	56.16, 27.89, -18.40
CIE _{LCh}	56, 33.412, 326.580
Yxy	24.0717, 0.3172, 0.2580
Android (android.graphics.Color)	4289230503 (0xFFA876A7)
YUV	138.5360, 14.0328, 25.8399
Hunter-Lab	49.0629, 21.8371, -13.5653

Details

The XYZ color **29.6019, 24.0717, 39.6453** is a light color, and the websafe version is hex **996699**. A complement of this color would be **24.8046, 33.1895, 22.5529**, and the grayscale version is **24.3072, 25.5730, 27.8490**.

A 20% lighter version of the original color is **58.4882, 50.2470, 75.7232**, and **12.2929, 9.1389, 17.3357** is the 20% darker color. If you saturate the color by 10%, you get **27.7662, 20.4495, 38.8805**, and if you desaturate by 10%, it is **31.7915, 28.4007, 40.5290**.

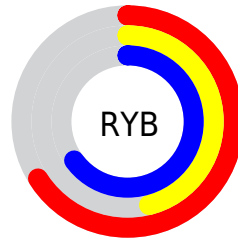
Distribution



Red (66%)

Green (46%)

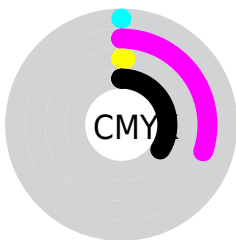
Blue (65%)



Red (66%)

Yellow (46%)

Blue (65%)

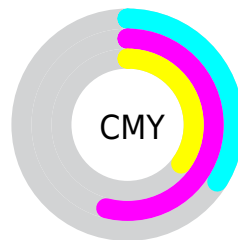


Cyan (0%)

Magenta (30%)

Yellow (1%)

Black (34%)



Cyan (34%)

Magenta (54%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6019, 24.0717, 39.6453 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 29.6019, 24.0717, 39.6453 by changing the saturation by 10% instead.

■ 29.6019, 24.0717,
39.6453

■ 29.6019, 24.0717,
39.6453

291.9876,
273.1828, 360.1338

■ 19.6832, 15.3868,
26.9504

■ 58.4230, 50.1472,
75.8543

■ 12.2719, 9.0913,
17.3039

■ 78.0561, 68.3066,
100.2054

■ 7.0026, 4.8008,
10.2871

■ 101.6580, 90.3929,
129.2791

■ 3.5101, 2.1309,
5.4817

129.5941,
116.7906, 163.4938

■ 1.4289, 0.6819,
2.4689

162.2298,
147.8840, 203.2681

■ 0.2767, 0.0000,
0.8236

199.9304,

■ 0.0000, 0.0000,

184.0576, 249.0205

0.0000

243.0612,
225.6957, 301.1695

■ 29.6019, 24.0717,
39.6453

■ 29.6019, 24.0717,
39.6453

■ 27.7662, 20.4495,
38.8805

■ 31.7915, 28.4007,
40.5290

■ 26.2635, 17.4937,
38.2269

■ 34.3502, 33.4681,
41.5358

■ 25.0741, 15.1643,
37.6781

■ 37.2947, 39.3072,
42.6716

■ 24.1753, 13.4160,
37.2266

■ 40.6405, 45.9484,
43.9416

■ 23.5415, 12.1975,
36.8638

■ 44.4017, 53.4207,
45.3504

■ 23.1423, 11.4482,
36.5796

■ 48.5923, 61.7512,
46.9028

■ 22.9125, 11.0375,
36.3523

■ 53.2251, 70.9662,
48.6030

■ 22.9074, 11.0284,
36.3470

■ 58.3126, 81.0907,
50.4552

■ 59.1668, 82.7482,
50.8966

Harmonies

Analogous

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



26.3398, 24.0717, 49.9933



29.6019, 24.0717, 39.6453



31.0570, 24.0717, 27.4898

Triad

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



29.6019, 24.0717, 39.6453



23.3220, 24.0717, 10.2769



16.8986, 24.0717, 36.8396

Complementary

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



29.6019, 24.0717, 39.6453



24.8046, 33.1895, 22.5529

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.



16.2803, 24.0717, 24.9705



29.6019, 24.0717, 39.6453



19.7363, 24.0717, 11.4978

Square

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



29.6019, 24.0717, 39.6453



27.1854, 24.0717, 12.2404



17.2605, 24.0717, 16.2152



19.0540, 24.0717, 48.0810

Rectangle

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



29.6019, 24.0717, 39.6453



30.6987, 24.0717, 20.6341



17.2605, 24.0717, 16.2152



16.5153, 24.0717, 32.7094

Sweetspot

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



29.6027, 24.0728, 39.6458



62.6307, 61.3225, 75.4878



21.1323, 19.6954, 39.7341



13.4986, 13.0641, 16.3938



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



29.6027, 24.0728, 39.6458



51.3517, 39.0132, 70.9618



27.5227, 23.2408, 28.6931



7.8353, 7.6640, 9.4501



17.3009, 8.3291, 27.4600



0.4229, 0.2034, 0.6784

Inverse Universe

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



29.6027, 24.0728, 39.6458



51.3517, 39.0132, 70.9618



26.4960, 33.8660, 31.4601



7.8353, 7.6640, 9.4501



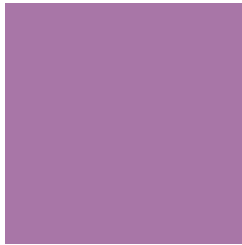
17.3009, 8.3291, 27.4600



0.4229, 0.2034, 0.6784

Previews

White Background



This preview shows how the XYZ color 29.6019, 24.0717, 39.6453 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 29.6019, 24.0717, 39.6453 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 29.6019, 24.0717, 39.6453

Background



This preview shows how black text looks on a background with the XYZ color 29.6019, 24.0717, 39.6453.



This preview shows how white text looks on a background with the XYZ color 29.6019, 24.0717,

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

29.6019, 24.0717, 39.6453

Protanopia

24.5918, 24.2004, 45.4945

Deuteranopia

24.6250, 24.1694, 38.4892



Tritanopia

26.8206, 24.0290, 25.7787

Trichromacy



Original Color

29.6019, 24.0717, 39.6453

Protanomaly

26.0066, 23.9833, 43.3029

Deuteranomaly

26.2350, 24.0063, 38.8483

Tritanomaly

27.6649, 23.9937, 30.3673

Monochromacy



Original Color

29.6019, 24.0717, 39.6453

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.1188, 24.8866, 31.8607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6019, 24.0717, 39.6453 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(168, 118, 167)` looks like.

```
.text, #text, p{  
    color:rgb(168, 118, 167)  
}
```

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(168, 118, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 118, 167) }
```

Border

The CSS property to change the border of an element to XYZ 29.6019, 24.0717, 39.6453 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(168, 118, 167) }
```


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

```
.border{ border-color:rgb(168, 118, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 118, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 118, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 118, 167);  
box-shadow:4px 4px 4px 4px rgb(168, 118,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6019, 24.0717, 39.6453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 118, 167) }
```

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

```
.background{ background-color: rgb(168,  
118, 167) }
```

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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