

Converting Colors

XYZ(28.6963, 23.6365, 38.1718)

Have a look what the booklet for
XYZ(28.6963, 23.6365, 38.1718)
contains.

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Color

**XYZ(28.6963, 23.6365,
38.1718)**

Conversions

Conversions Part 1

Format	Color
Hex	A576A4
RGB	165, 118, 164
RGB Percent	65%, 46%, 64%
CMY	0.3529, 0.5372, 0.3569
CMYK	0.00, 0.28, 0.01, 0.35
HSL	301°, 21%, 55%
HSV	301°, 28%, 65%
XYZ	28.6963, 23.6365, 38.1718
YIQ	137.2970, 13.2460, 24.2700

Conversions

Conversions Part 2

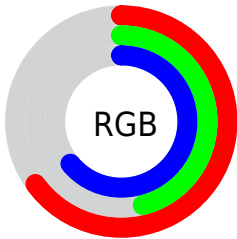
Format	Color
R _Y B	165, 118, 164
Decimal	10843812
CIE Lab	55.72, 26.28, -17.36
CIE LCh	56, 31.500, 326.546
Yxy	23.6365, 0.3171, 0.2612
Android (android.graphics.Color)	4289033892 (0xFFA576A4)
YUV	137.2970, 13.1646, 24.2955
Hunter-Lab	48.6174, 20.2788, -12.5192

Details

The XYZ color **28.6963, 23.6365, 38.1718** is a light color, and the websafe version is hex **996699**. A complement of this color would be **24.2570, 32.0945, 22.3704**, and the grayscale version is **23.8390, 25.0805, 27.3127**.

A 20% lighter version of the original color is **57.1679, 49.6124, 73.5809**, and **11.7348, 8.8708, 16.4230** is the 20% darker color. If you saturate the color by 10%, you get **26.8892, 20.0726, 37.4134**, and if you desaturate by 10%, it is **30.8448, 27.8823, 39.0449**.

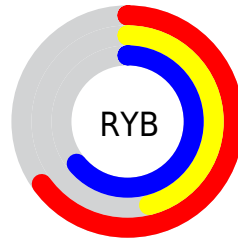
Distribution



Red (65%)

Green (46%)

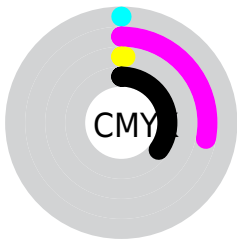
Blue (64%)



Red (65%)

Yellow (46%)

Blue (64%)

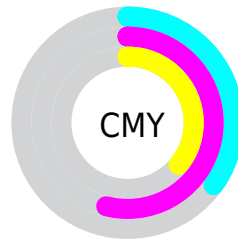


Cyan (0%)

Magenta (28%)

Yellow (1%)

Black (35%)



Cyan (35%)

Magenta (54%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.6963, 23.6365, 38.1718 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 28.6963, 23.6365, 38.1718 by changing the saturation by 10% instead.

 28.6963, 23.6365,
38.1718


 28.6963, 23.6365,
38.1718


287.7994,
270.9776, 353.6766


 18.9943, 15.0642,
25.8132


 56.9951, 49.4364,
73.5777

 11.7702, 8.8645,
16.4594


 76.3227, 67.4327,
97.4621

 6.6585, 4.6529,
9.6920


 99.5895, 89.3392,
126.0255

 3.2939, 2.0451,
5.0923

127.1609,
115.5402, 159.6865

 1.3110, 0.6335,
2.2418

159.4022,
146.4202, 198.8635

 0.1914, 0.0000,
0.6984

196.6788,

 0.0000, 0.0000,

182.3635, 243.9752

0.0000

239.3561,
223.7545, 295.4401

■ 28.6963, 23.6365,
38.1718

■ 28.6963, 23.6365,
38.1718

■ 26.8892, 20.0726,
37.4134

■ 30.8448, 27.8823,
39.0449

■ 25.4037, 17.1520,
36.7624

■ 33.3490, 32.8397,
40.0368

■ 24.2211, 14.8373,
36.2128

■ 36.2250, 38.5405,
41.1530

■ 23.3201, 13.0856,
35.7575

■ 39.4871, 45.0135,
42.3984

■ 22.6766, 11.8487,
35.3884

■ 43.1491, 52.2862,
43.7775

■ 22.2623, 11.0701,
35.0962

■ 47.2241, 60.3845,
45.2947

■ 22.0254, 10.6462,
34.8635

■ 51.7243, 69.3333,
46.9541

■ 21.9935, 10.5899,
34.8296

■ 56.6618, 79.1565,
48.7597

■ 58.2673, 82.3154,
49.4550

Harmonies

Analogous

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



25.6768, 23.6365, 47.6439



28.6963, 23.6365, 38.1718



30.0415, 23.6365, 26.9392

Triad

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



28.6963, 23.6365, 38.1718



22.8820, 23.6365, 10.6730



16.8654, 23.6365, 35.5646

Complementary

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



28.6963, 23.6365, 38.1718



24.2570, 32.0945, 22.3704

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.



16.2845, 23.6365, 24.5694



28.6963, 23.6365, 38.1718



19.5343, 23.6365, 11.8469

Square

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



28.6963, 23.6365, 38.1718



26.4681, 23.6365, 12.5673



17.2094, 23.6365, 16.3454



18.8888, 23.6365, 45.8799

Rectangle

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



28.6963, 23.6365, 38.1718



29.7126, 23.6365, 20.5315



17.2094, 23.6365, 16.3454



16.5049, 23.6365, 31.7534

Sweetspot

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



28.6970, 23.6375, 38.1723



59.3983, 58.1658, 71.5741



20.8490, 19.5813, 38.2785



12.8424, 12.4324, 15.5912



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.



28.6970, 23.6375, 38.1723



49.3356, 38.2722, 67.5050



26.7830, 22.8719, 28.0929



7.3578, 7.1996, 8.8705



16.6406, 8.0123, 26.3616



0.3516, 0.1691, 0.5639

Inverse Universe

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



28.6970, 23.6375, 38.1723



49.3356, 38.2722, 67.5050



25.8310, 32.7240, 30.6587



7.3578, 7.1996, 8.8705



16.6406, 8.0123, 26.3616



0.3516, 0.1691, 0.5639

Previews

White Background



This preview shows how the XYZ color 28.6963, 23.6365, 38.1718 looks on a white background.

Color Contrast Check

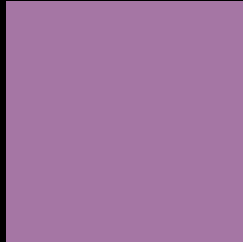
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6963, 23.6365, 38.1718 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 28.6963, 23.6365, 38.1718

Background



This preview shows how black text looks on a background with the XYZ color 28.6963, 23.6365, 38.1718.



This preview shows how white text looks on a background with the XYZ color 28.6963, 23.6365,

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

28.6963, 23.6365, 38.1718

Protanopia

24.0596, 23.7695, 43.3643

Deuteranopia

24.3108, 23.8278, 37.5003



Tritanopia

26.1392, 23.6858, 25.3844

Trichromacy



Original Color

28.6963, 23.6365, 38.1718

Protanomaly

25.3263, 23.4843, 41.2283

Deuteranomaly

25.7488, 23.5858, 37.8457

Tritanomaly

26.8939, 23.6141, 29.5261

Monochromacy



Original Color

28.6963, 23.6365, 38.1718

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

25.2817, 24.2749, 30.9568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6963, 23.6365, 38.1718 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(165, 118, 164)` looks like.

```
.text, #text, p{  
    color:rgb(165, 118, 164)  
}
```

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(165, 118, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 118, 164) }
```

Border

The CSS property to change the border of an element to XYZ 28.6963, 23.6365, 38.1718 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(165, 118, 164) }
```


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

```
.border{ border-color:rgb(165, 118, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 118, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 118, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 118, 164);  
box-shadow:4px 4px 4px 4px rgb(165, 118,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6963, 23.6365, 38.1718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 118, 164) }
```

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

```
.background{ background-color: rgb(165,  
118, 164) }
```

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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