

Converting Colors

XYZ(27.8520, 23.1208, 36.2349)

Have a look what the booklet for
XYZ(27.8520, 23.1208, 36.2349)
contains.

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Color

**XYZ(27.8107, 23.0472,
36.2405)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | A375A0 |
| RGB | 163, 117, 160 |
| RGB Percent | 64%, 46%, 63% |
| CMY | 0.3608, 0.5412, 0.3725 |
| CMYK | 0.00, 0.28, 0.02, 0.36 |
| HSL | 304°, 20%, 55% |
| HSV | 304°, 28%, 64% |
| XYZ | 27.8107, 23.0472, 36.2405 |
| YIQ | 135.6560, 13.6130, 23.1250 |

Conversions

Conversions Part 2

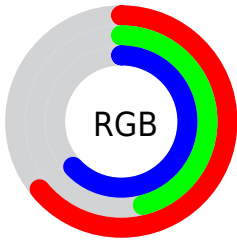
| Format | Color |
|-------------------------------------|--|
| RYB | 163, 117, 160 |
| Decimal | 10712480 |
| CIELab | 55.12, 25.39, -15.98 |
| CIElCh | 55, 29.997, 327.808 |
| Yxy | 23.0472, 0.3193, 0.2646 |
| Android (android.graphics.Color) | 4288902560 (0xFFA375A0) |
| YUV | 135.6560, 12.0016, 23.9807 |
| Hunter-Lab | 48.0075, 19.3918, -11.1523 |

Details

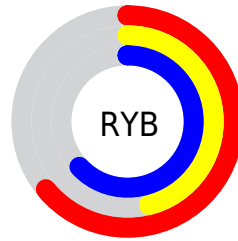
The XYZ color **27.8107, 23.0472, 36.2405** is a light color, and the websafe version is hex **996699**. A complement of this color would be **23.8244, 31.3330, 22.5628**, and the grayscale version is **23.2269, 24.4365, 26.6113**.

A 20% lighter version of the original color is **55.5539, 48.5612, 70.7352**, and **11.3294, 8.5965, 15.2495** is the 20% darker color. If you saturate the color by 10%, you get **25.9820, 19.5376, 35.1743**, and if you desaturate by 10%, it is **29.9723, 27.2205, 37.4222**.

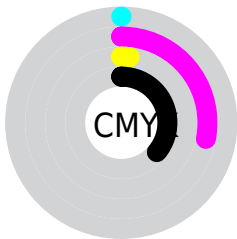
Distribution



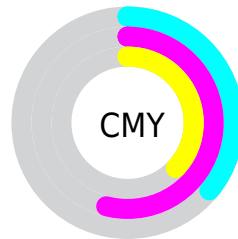
- Red (64%)
- Green (46%)
- Blue (63%)



- Red (64%)
- Yellow (46%)
- Blue (63%)



- Cyan (0%)
- Magenta (28%)
- Yellow (2%)
- Black (36%)



- Cyan (36%)
- Magenta (54%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8107, 23.0472, 36.2405 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 27.8107, 23.0472, 36.2405 by changing the saturation by 10% instead.

■ 27.8107, 23.0472,
36.2405

■ 27.8107, 23.0472,
36.2405

283.6578,
267.9673, 345.0797

■ 18.3227, 14.6284,
24.3288

■ 55.5928, 48.4708,
70.5763

■ 11.2830, 8.5590,
15.3633

■ 74.6177, 66.2444,
93.8376

■ 6.3262, 4.4547,
8.9253

■ 97.5523, 87.9050,
121.7191

■ 3.0870, 1.9310,
4.5963

124.7619,
113.8370, 154.6394

■ 1.1999, 0.5669,
1.9579

156.6119,
144.4249, 193.0171

■ 0.1063, 0.0000,
0.5292

193.4676,

■ 0.0000, 0.0000,

180.0530, 237.2707

0.0000

235.6945,
221.1056, 287.8187

■ 27.8107, 23.0472,
36.2405

■ 27.8107, 23.0472,
36.2405

■ 25.9820, 19.5376,
35.1743

■ 29.9723, 27.2205,
37.4222

■ 24.4669, 16.6544,
34.2162

■ 32.4806, 32.0863,
38.7230

■ 23.2475, 14.3613,
33.3606

■ 35.3512, 37.6754,
40.1486

■ 22.3031, 12.6169,
32.6006

■ 38.5980, 44.0158,
41.7036

■ 21.6104, 11.3745,
31.9283

■ 42.2344, 51.1339,
43.3924

■ 21.1420, 10.5798,
31.3348

■ 46.2729, 59.0551,
45.2192

■ 20.8493, 10.1350,
30.8036

■ 50.7257, 67.8034,
47.1881

■ 20.8022, 10.0657,
30.7111

■ 55.6042, 77.4020,
49.3028

■ 58.0794, 82.1926,
50.6205

Harmonies

Analogous

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



25.0446, 23.0472, 45.1634



27.8107, 23.0472, 36.2405



28.9803, 23.0472, 25.8056

Triad

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



27.8107, 23.0472, 36.2405



22.1526, 23.0472, 10.8234



16.6958, 23.0472, 34.7037

Complementary

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



27.8107, 23.0472, 36.2405



23.8244, 31.3330, 22.5628

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.



16.0877, 23.0472, 24.3965



27.8107, 23.0472, 36.2405



19.0406, 23.0472, 12.0752

Square

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



27.8107, 23.0472, 36.2405



25.5133, 23.0472, 12.5130



16.9019, 23.0472, 16.5060



18.6552, 23.0472, 44.1290

Rectangle

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



27.8107, 23.0472, 36.2405



28.6162, 23.0472, 19.8731



16.9019, 23.0472, 16.5060



16.3359, 23.0472, 31.1586

Sweetspot

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



27.8114, 23.0482, 36.2410



58.2035, 57.5294, 69.3664



20.6222, 19.3113, 37.2913



12.9164, 12.6181, 15.5001



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.



27.8114, 23.0482, 36.2410



47.6404, 37.1134, 63.6562



26.0321, 22.3365, 26.8713



7.3443, 7.1942, 8.7994



16.1735, 7.8255, 23.9021



0.3454, 0.1667, 0.5315

Inverse Universe

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



27.8114, 23.0482, 36.2410



47.6404, 37.1134, 63.6562



25.3392, 31.9390, 30.5396



7.3443, 7.1942, 8.7994



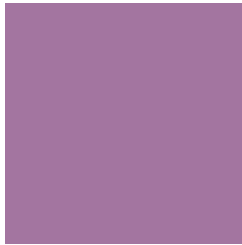
16.1735, 7.8255, 23.9021



0.3454, 0.1667, 0.5315

Previews

White Background



This preview shows how the XYZ color 27.8107, 23.0472, 36.2405 looks on a white background.

Color Contrast Check

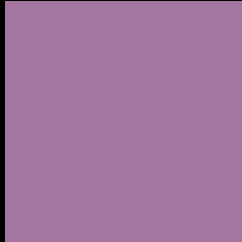
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8107, 23.0472, 36.2405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

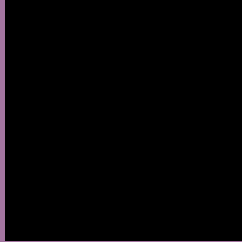
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.8107, 23.0472, 36.2405

Background



This preview shows how black text looks on a background with the XYZ color 27.8107, 23.0472, 36.2405.



This preview shows how white text looks on a background with the XYZ color 27.8107, 23.0472,

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

27.8107, 23.0472, 36.2405

Protanopia

23.3980, 23.2725, 41.2890

Deuteranopia

23.6947, 23.1557, 35.5684



Tritanopia

25.4225, 22.9559, 24.9208

Trichromacy



Original Color

27.8107, 23.0472, 36.2405

Protanomaly

24.6603, 22.9932, 39.2148

Deuteranomaly

25.0932, 23.0997, 35.9370

Tritanomaly

26.0962, 22.8595, 28.6281

Monochromacy



Original Color

27.8107, 23.0472, 36.2405

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

24.8152, 23.8558, 30.0848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8107, 23.0472, 36.2405 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, 117, 160)` looks like.

```
.text, #text, p{  
    color:rgb(163, 117, 160)  
}
```

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, 117, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 117, 160) }
```

Border

The CSS property to change the border of an element to XYZ 27.8107, 23.0472, 36.2405 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, 117, 160) }
```


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

```
.border{ border-color:rgb(163, 117, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 117, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 117, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 117, 160);  
box-shadow:4px 4px 4px 4px rgb(163, 117,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8107, 23.0472, 36.2405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 117, 160) }
```

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

```
.background{ background-color: rgb(163,  
117, 160) }
```

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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