

Converting Colors

XYZ(27.7663, 13.8992, 40.9685)

Have a look what the booklet for
XYZ(27.7663, 13.8992, 40.9685)
contains.

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Color

**XYZ(27.6164, 13.8203,
40.7472)**

Conversions

Conversions Part 1

Format	Color
Hex	B817AD
RGB	184, 23, 173
RGB Percent	72%, 9%, 68%
CMY	0.2784, 0.9097, 0.3216
CMYK	0.00, 0.87, 0.06, 0.28
HSL	304°, 78%, 41%
HSV	304°, 87%, 72%
XYZ	27.6164, 13.8203, 40.7472
YIQ	88.2390, 47.8060, 80.7820

Conversions

Conversions Part 2

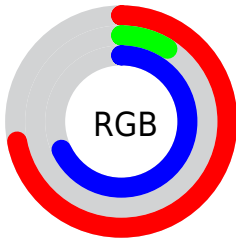
Format	Color
RYB	184, 23, 173
Decimal	12064685
CIELab	43.97, 72.66, -40.72
CIELCh	44, 83.291, 330.731
Yxy	13.8203, 0.3360, 0.1682
Android (android.graphics.Color)	4290254765 (0xFFB817AD)
YUV	88.2390, 41.7872, 83.9824
Hunter-Lab	37.1757, 67.5435, -38.9631

Details

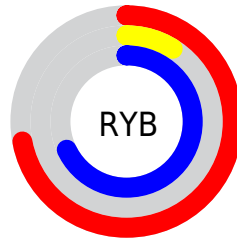
The XYZ color **27.6164, 13.8203, 40.7472** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **17.7833, 34.5793, 7.2517**, and the grayscale version is **9.2340, 9.7149, 10.5795**.

A 20% lighter version of the original color is **55.4538, 32.8956, 77.5555**, and **11.9943, 5.7917, 18.2550** is the 20% darker color. If you saturate the color by 10%, you get **27.2392, 13.2593, 40.0241**, and if you desaturate by 10%, it is **28.2399, 14.8712, 41.5582**.

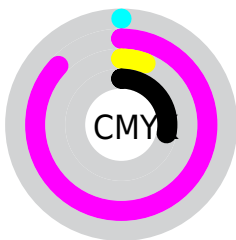
Distribution



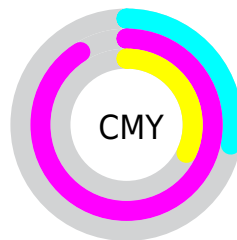
- Red (72%)
- Green (9%)
- Blue (68%)



- Red (72%)
- Yellow (9%)
- Blue (68%)



- Cyan (0%)
- Magenta (87%)
- Yellow (6%)
- Black (28%)





- Cyan (28%)
- Magenta (91%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6164, 13.8203, 40.7472 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 27.6164, 13.8203, 40.7472 by changing the saturation by 10% instead.

 27.6164, 13.8203,
40.7472

 27.6164, 13.8203,
40.7472


282.7428,
216.1100, 364.9082


 18.1757, 7.9958,
27.8034


 55.2844, 32.7698,
77.5495


 11.1766, 4.0923,
17.9398


 74.2423, 46.6637,
102.2450


 6.2539, 1.7253,
10.7378


 97.1034, 64.0160,
131.6949

 3.0422, 0.4400,
5.7788

 124.2329, 85.2113,
166.3177

 1.1761, 0.0000,
2.6445

 155.9962,
110.6340, 206.5319

 0.0874, 0.0000,
0.9153

 192.7588,

 0.0000, 0.0000,

140.6684, 252.7560

0.0000

234.8858,
175.6990, 305.4086

■ 27.6164, 13.8203,
40.7472

■ 27.6164, 13.8203,
40.7472

■ 27.2392, 13.2593,
40.0241

■ 28.2399, 14.8712,
41.5582

■ 27.1589, 13.1471,
39.8484

■ 29.1621, 16.5182,
42.4744

■ 30.4202, 18.8350,
43.5083

■ 32.0454, 21.8843,
44.6702

■ 34.0655, 25.7216,
45.9695

■ 36.5056, 30.3968,
47.4144

■ 39.3886, 35.9561,
49.0128

■ 42.7358, 42.4419,
50.7716

■ 46.5672, 49.8942,
52.6976

Harmonies

Analogous

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



20.7508, 13.8203, 72.9418



27.6164, 13.8203, 40.7472



30.3612, 13.8203, 14.5891

Triad

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



27.6164, 13.8203, 40.7472



12.9746, 13.8203, 0.0000



4.9654, 13.8203, 42.3273

Complementary

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



27.6164, 13.8203, 40.7472



17.7833, 34.5793, 7.2517

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.



4.0909, 13.8203, 15.5164



27.6164, 13.8203, 40.7472



7.6572, 13.8203, 0.2952

Square

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



27.6164, 13.8203, 40.7472



20.3728, 13.8203, 0.2209



4.8812, 13.8203, 3.3518



7.8546, 13.8203, 74.2778

Rectangle

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



27.6164, 13.8203, 40.7472



28.9485, 13.8203, 5.4976



4.8812, 13.8203, 3.3518



4.4798, 13.8203, 31.9383

Sweetspot

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



27.6169, 13.8210, 40.7475



66.6896, 56.0903, 86.2436



9.6099, 4.4099, 45.6926



14.0242, 11.4142, 18.3897



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



27.6169, 13.8210, 40.7475



49.1960, 23.8178, 72.0433



22.0399, 11.5902, 11.3793



9.3537, 9.1519, 11.2101



18.7281, 9.0650, 27.5187



0.6682, 0.3228, 1.0122

Inverse Universe

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



27.6169, 13.8210, 40.7475



49.1960, 23.8178, 72.0433



20.5453, 35.6841, 21.7962



9.3537, 9.1519, 11.2101



18.7281, 9.0650, 27.5187



0.6682, 0.3228, 1.0122

Previews

White Background



This preview shows how the XYZ color 27.6164, 13.8203, 40.7472 looks on a white background.

Color Contrast Check

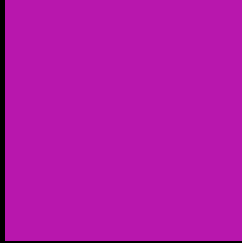
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6164, 13.8203, 40.7472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

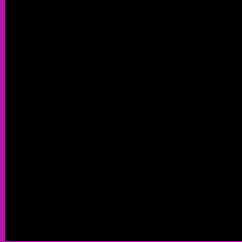
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.6164, 13.8203, 40.7472

Background



This preview shows how black text looks on a background with the XYZ color 27.6164, 13.8203, 40.7472.



This preview shows how white text looks on a background with the XYZ color 27.6164, 13.8203,

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

27.6164, 13.8203, 40.7472

Protanopia

16.9194, 14.2137, 66.1417

Deuteranopia

14.6429, 14.2840, 36.6357



Tritanopia

20.9157, 13.8870, 8.2347

Trichromacy



Original Color

27.6164, 13.8203, 40.7472



Protanomaly

15.1226, 10.1285, 55.8015



Deuteranomaly

16.5614, 11.4670, 37.8997



Tritanomaly

22.5024, 13.1589, 16.3928

Monochromacy



Original Color

27.6164, 13.8203, 40.7472



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

13.3315, 9.2097, 18.5278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6164, 13.8203, 40.7472 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(184, 23, 173)` looks like.

```
.text, #text, p{  
    color:rgb(184, 23, 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(184, 23, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 23, 173) }
```

Border

The CSS property to change the border of an element to XYZ 27.6164, 13.8203, 40.7472 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(184, 23, 173) }
```


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

```
.border{ border-color:rgb(184, 23, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 23, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(184, 23, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(184, 23, 173); box-shadow:4px 4px 4px 4px rgb(184, 23, 173) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6164, 13.8203, 40.7472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 23, 173) }
```

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

```
.background{ background-color: rgb(184, 23,  
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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