

Converting Colors

XYZ(27.6605, 13.4799, 36.5163)

Have a look what the booklet for
XYZ(27.6605, 13.4799, 36.5163)
contains.

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Color

**XYZ(27.7778, 13.5354,
36.7459)**

Conversions

Conversions Part 1

Format	Color
Hex	BD00A5
RGB	189, 0, 165
RGB Percent	74%, 0%, 65%
CMY	0.2588, 0.9999, 0.3529
CMYK	0.00, 1.00, 0.13, 0.26
HSL	308°, 100%, 37%
HSV	308°, 100%, 74%
XYZ	27.7778, 13.5354, 36.7459
YIQ	75.3210, 59.6790, 91.3830

Conversions

Conversions Part 2

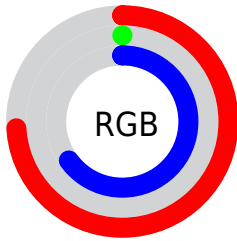
Format	Color
R_{YB}	189, 0, 165
Decimal	12386469
CIE _{Lab}	43.56, 75.09, -36.56
CIE _{LCh}	44, 83.516, 334.041
Yxy	13.5354, 0.3559, 0.1734
Android (android.graphics.Color)	4290576549 (0xFFBD00A5)
YUV	75.3210, 44.2117, 99.6965
Hunter-Lab	36.7905, 70.3889, -33.4648

Details

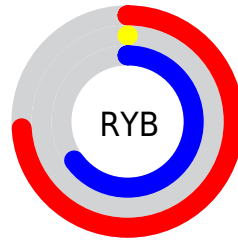
The XYZ color **27.7778, 13.5354, 36.7459** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **18.3632, 36.4617, 6.9355**, and the grayscale version is **6.6634, 7.0104, 7.6343**.

A 20% lighter version of the original color is **55.6078, 32.3396, 71.7179**, and **12.3407, 6.0175, 16.1339** is the 20% darker color. If you saturate the color by 10%, you get **27.7777, 13.5354, 36.7446**, and if you desaturate by 10%, it is **28.2302, 14.0870, 37.9849**.

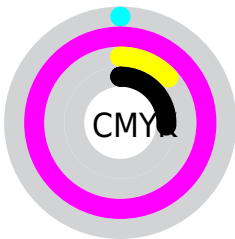
Distribution



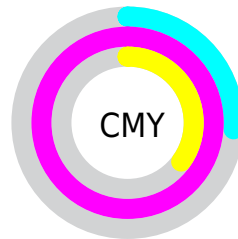
- Red (74%)
- Green (0%)
- Blue (65%)



- Red (74%)
- Yellow (0%)
- Blue (65%)



- Cyan (0%)
- Magenta (100%)
- Yellow (13%)
- Black (26%)




- Cyan (26%)
- Magenta (100%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7778, 13.5354, 36.7459 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 27.7778, 13.5354, 36.7459 by changing the saturation by 10% instead.


 27.7778, 13.5354,
36.7459


 27.7778, 13.5354,
36.7459


283.5030,
214.3211, 347.3446

 18.2978, 7.7982,
24.7166


 55.5406, 32.2624,
71.3638

 11.2650, 3.9661,
15.6489


 74.5542, 46.0210,
94.7894


 6.3140, 1.6546,
9.1244


 97.4763, 63.2222,
122.8508

 3.0794, 0.3940,
4.7245

 124.6724, 84.2504,
155.9667

 1.1959, 0.0000,
2.0306

 156.5077,
109.4900, 194.5554

 0.1031, 0.0000,
0.5740

 193.3477,

 0.0000, 0.0000,

139.3253, 239.0356

0.0000

235.5577,
174.1409, 289.8258

■ 27.7778, 13.5354,
36.7459

■ 27.7778, 13.5354,
36.7459

■ 27.7777, 13.5354,
36.7446

■ 28.2302, 14.0870,
37.9849

■ 28.9109, 15.0887,
39.3203

■ 29.9018, 16.7043,
40.7795

■ 31.2439, 19.0158,
42.3764

■ 32.9720, 22.0924,
44.1226

■ 35.1166, 25.9952,
46.0283

■ 37.7050, 30.7790,
48.1029

■ 40.7624, 36.4939,
50.3548

■ 44.3120, 43.1863,
52.7918

Harmonies

Analogous

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



21.2512, 13.5354, 69.1256



27.7778, 13.5354, 36.7459



29.8933, 13.5354, 12.3461

Triad

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



27.7778, 13.5354, 36.7459



12.0003, 13.5354, 0.0000



5.0136, 13.5354, 45.4220

Complementary

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



27.7778, 13.5354, 36.7459



18.3632, 36.4617, 6.9355

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.



3.9652, 13.5354, 17.4199



27.7778, 13.5354, 36.7459



7.0387, 13.5354, 0.4123

Square

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



27.7778, 13.5354, 36.7459



19.1807, 13.5354, 0.0008



4.5561, 13.5354, 3.9363



8.1146, 13.5354, 76.4723

Rectangle

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



27.7778, 13.5354, 36.7459



28.0755, 13.5354, 4.4062



4.5561, 13.5354, 3.9363



4.4678, 13.5354, 34.7769

Sweetspot

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



27.7783, 13.5361, 36.7461



67.2813, 54.6641, 85.9611



9.5181, 3.8461, 48.3853



14.0305, 10.9432, 18.1420



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



27.7783, 13.5361, 36.7461



49.6870, 24.2167, 65.4797



22.1717, 11.2934, 7.2221



9.8764, 9.6749, 11.7381



18.7092, 9.1148, 24.8260



0.7476, 0.3629, 1.0503

Inverse Universe

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



27.7783, 13.5361, 36.7461



49.6870, 24.2167, 65.4797



21.3831, 37.6697, 22.8383



9.8764, 9.6749, 11.7381



18.7092, 9.1148, 24.8260



0.7476, 0.3629, 1.0503

Previews

White Background



This preview shows how the XYZ color 27.7778, 13.5354, 36.7459 looks on a white background.

Color Contrast Check

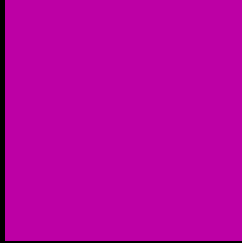
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7778, 13.5354, 36.7459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

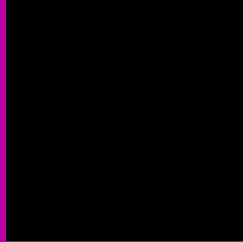
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.7778, 13.5354, 36.7459

Background



This preview shows how black text looks on a background with the XYZ color 27.7778, 13.5354, 36.7459.



This preview shows how white text looks on a background with the XYZ color 27.7778, 13.5354,

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

27.7778, 13.5354, 36.7459

Protanopia

16.9194, 14.2137, 66.1417

Deuteranopia

14.5229, 14.1520, 32.9765



Tritanopia

21.7869, 13.9136, 7.1675

Trichromacy



Original Color

27.7778, 13.5354, 36.7459



Protanomaly

14.3657, 8.9632, 53.7962



Deuteranomaly

16.2323, 10.5372, 33.9792



Tritanomaly

22.8201, 12.6526, 14.3362

Monochromacy



Original Color

27.7778, 13.5354, 36.7459



Achromatopsia

6.6877, 7.0360, 7.6622



Achromatomaly

10.9662, 6.9096, 14.9431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7778, 13.5354, 36.7459 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(189, 0, 165)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 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(189, 0, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 165) }
```

Border

The CSS property to change the border of an element to XYZ 27.7778, 13.5354, 36.7459 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(189, 0, 165) }
```


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

```
.border{ border-color:rgb(189, 0, 165) }
```

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

Here you see how a box with a 4 pixel rgb(189, 0, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 165);  
box-shadow:4px 4px 4px 4px rgb(189, 0,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7778, 13.5354, 36.7459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 0, 165) }
```

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

```
.background{ background-color: rgb(189, 0,  
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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