

Converting Colors

XYZ(27.3677, 13.2195, 41.4482)

Have a look what the booklet for
XYZ(27.3677, 13.2195, 41.4482)
contains.

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Color

**XYZ(27.5050, 13.2855,
41.6721)**

Conversions

Conversions Part 1

Format	Color
Hex	B800AF
RGB	184, 0, 175
RGB Percent	72%, 0%, 69%
CMY	0.2784, 0.9999, 0.3137
CMYK	0.00, 1.00, 0.05, 0.28
HSL	303°, 100%, 36%
HSV	303°, 100%, 72%
XYZ	27.5050, 13.2855, 41.6721
YIQ	74.9660, 53.4890, 93.4330

Conversions

Conversions Part 2

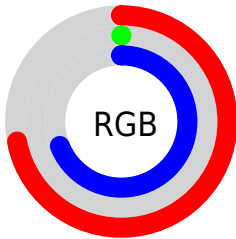
Format	Color
R_{YB}	184, 0, 175
Decimal	12058799
CIE _{Lab}	43.19, 75.59, -43.16
CIE _{LCh}	43, 87.042, 330.277
Yxy	13.2855, 0.3335, 0.1611
Android (android.graphics.Color)	4290248879 (0xFFB800AF)
YUV	74.9660, 49.3168, 95.6228
Hunter-Lab	36.4493, 70.9117, -42.2712

Details

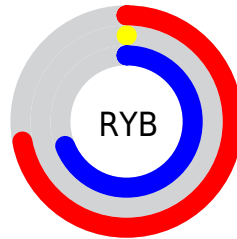
The XYZ color **27.5050, 13.2855, 41.6721** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **17.1904, 34.3013, 5.9739**, and the grayscale version is **6.5916, 6.9349, 7.5521**.

A 20% lighter version of the original color is **55.1402, 31.8190, 78.8368**, and **12.1170, 5.8408, 18.9011** is the 20% darker color. If you saturate the color by 10%, you get **27.5051, 13.2856, 41.6717**, and if you desaturate by 10%, it is **27.8172, 13.7676, 42.2140**.

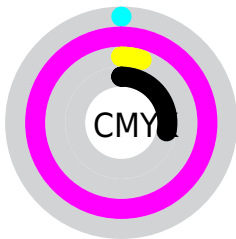
Distribution



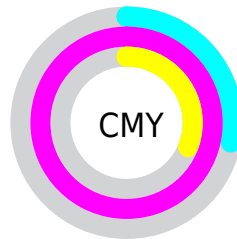
- Red (72%)
- Green (0%)
- Blue (69%)



- Red (72%)
- Yellow (0%)
- Blue (69%)



- Cyan (0%)
- Magenta (100%)
- Yellow (5%)
- Black (28%)





- Cyan (28%)
- Magenta (100%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5050, 13.2855, 41.6721 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 27.5050, 13.2855, 41.6721 by changing the saturation by 10% instead.


 27.5050, 13.2855,
41.6721


 27.5050, 13.2855,
41.6721


282.2172,
212.7394, 368.8813

 18.0914, 7.6254,
28.5210


 55.1074, 31.8158,
78.9678


 11.1157, 3.8562,
18.4763


 74.0268, 45.4547,
103.9495


 6.2126, 1.5935,
11.1195


 96.8456, 62.5221,
133.7118

 3.0167, 0.3532,
6.0321

 123.9291, 83.4024,
168.6733

 1.1626, 0.0000,
2.7955

 155.6427,
108.4798, 209.2524

 0.0765, 0.0000,
0.9912

 192.3516,

 0.0000, 0.0000,

138.1389, 255.8678

0.0000

234.4213,
172.7639, 308.9379

■ 27.5050, 13.2855,
41.6721

■ 27.5050, 13.2855,
41.6721

■ 27.5051, 13.2856,
41.6717

■ 27.8172, 13.7676,
42.2140

■ 28.3394, 14.6691,
42.8286

■ 29.1501, 16.1466,
43.5424

■ 30.2875, 18.2766,
44.3680

■ 31.7841, 21.1240,
45.3162

■ 33.6684, 24.7459,
46.3966

■ 35.9661, 29.1935,
47.6177

■ 38.7005, 34.5137,
48.9874

■ 41.8934, 40.7499,
50.5129

Harmonies

Analogous

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



20.3287, 13.2855, 75.7564



27.5050, 13.2855, 41.6721



30.4621, 13.2855, 14.2875

Triad

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



27.5050, 13.2855, 41.6721



12.5651, 13.2855, 0.0000



4.4317, 13.2855, 42.3024

Complementary

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



27.5050, 13.2855, 41.6721



17.1904, 34.3013, 5.9739

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.



3.6112, 13.2855, 14.6452



27.5050, 13.2855, 41.6721



7.1679, 13.2855, 0.0000

Square

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



27.5050, 13.2855, 41.6721



20.1804, 13.2855, 0.0000



4.4007, 13.2855, 2.7805



7.2423, 13.2855, 76.2970

Rectangle

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



27.5050, 13.2855, 41.6721



29.0443, 13.2855, 5.0562



4.4007, 13.2855, 2.7805



3.9701, 13.2855, 31.4582

Sweetspot

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



27.5055, 13.2861, 41.6724



64.9641, 52.4673, 86.1988



8.7292, 3.5010, 45.5636



13.6127, 10.5506, 18.3774



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.



27.5055, 13.2861, 41.6724



49.8333, 24.0728, 75.3993



21.4425, 10.8609, 9.7450



9.3614, 9.1549, 11.2508



18.9639, 9.1593, 28.7605



0.6744, 0.3252, 1.0447

Inverse Universe

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



27.5055, 13.2861, 41.6724



49.8333, 24.0728, 75.3993



19.3524, 35.1661, 17.3590



9.3614, 9.1549, 11.2508



18.9639, 9.1593, 28.7605



0.6744, 0.3252, 1.0447

Previews

White Background



This preview shows how the XYZ color 27.5050, 13.2855, 41.6721 looks on a white background.

Color Contrast Check

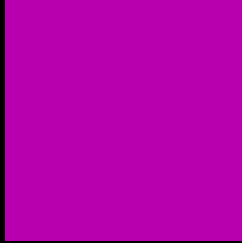
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5050, 13.2855, 41.6721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

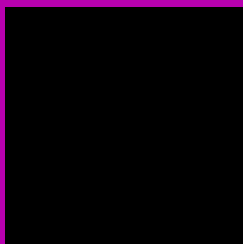
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.5050, 13.2855, 41.6721

Background



This preview shows how black text looks on a background with the XYZ color 27.5050, 13.2855, 41.6721.



This preview shows how white text looks on a background with the XYZ color 27.5050, 13.2855,

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

27.5050, 13.2855, 41.6721

Protanopia

16.6639, 14.1115, 64.7963

Deuteranopia

14.2497, 13.9206, 37.0579



Tritanopia

20.7863, 13.7360, 7.8591

Trichromacy



Original Color

27.5050, 13.2855, 41.6721



Protanomaly

14.4569, 8.9836, 55.0049



Deuteranomaly

15.6982, 10.1683, 38.1811



Tritanomaly

22.0753, 12.3921, 15.9803

Monochromacy



Original Color

27.5050, 13.2855, 41.6721



Achromatopsia

6.6877, 7.0360, 7.6622



Achromatomaly

10.9964, 6.9064, 15.7924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5050, 13.2855, 41.6721 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, 0, 175)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 175)  
}
```

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, 0, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 175) }
```

Border

The CSS property to change the border of an element to XYZ 27.5050, 13.2855, 41.6721 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, 0, 175) }
```


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

```
.border{ border-color:rgb(184, 0, 175) }
```

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

Here you see how a box with a 4 pixel rgb(184, 0, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 175);  
box-shadow:4px 4px 4px 4px rgb(184, 0,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5050, 13.2855, 41.6721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 0, 175) }
```

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

```
.background{ background-color: rgb(184, 0,  
175) }
```

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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