

Converting Colors

XYZ(27.3588, 13.5794, 50.4699)

Have a look what the booklet for
XYZ(27.3588, 13.5794, 50.4699)
contains.

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Color

**XYZ(27.4526, 13.6143,
50.4711)**

Conversions

Conversions Part 1

Format	Color
Hex	AF1ABF
RGB	175, 26, 191
RGB Percent	69%, 10%, 75%
CMY	0.3137, 0.8980, 0.2510
CMYK	0.08, 0.86, 0.00, 0.25
HSL	294°, 76%, 43%
HSV	294°, 86%, 75%
XYZ	27.4526, 13.6143, 50.4711
YIQ	89.3610, 35.8390, 82.9030

Conversions

Conversions Part 2

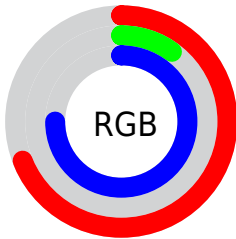
Format	Color
R_{YB}	175, 26, 191
Decimal	11475647
CIE _{Lab}	43.67, 73.29, -51.90
CIE _{LCh}	44, 89.805, 324.699
Y _{xy}	13.6143, 0.2999, 0.1487
Android (android.graphics.Color)	4289665727 (0xFFAF1ABF)
Y _{UV}	89.3610, 50.1080, 75.1054
Hunter-Lab	36.8976, 68.2372, -55.2728

Details

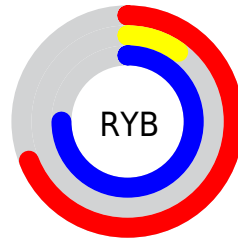
The XYZ color **27.4526, 13.6143, 50.4711** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **19.7725, 37.8287, 7.2373**, and the grayscale version is **9.4633, 9.9561, 10.8422**.

A 20% lighter version of the original color is **54.8777, 32.2751, 92.1443**, and **11.9866, 5.6577, 24.1272** is the 20% darker color. If you saturate the color by 10%, you get **26.7457, 12.8129, 50.3539**, and if you desaturate by 10%, it is **28.4447, 14.9765, 50.6820**.

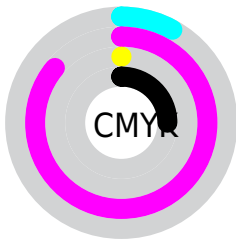
Distribution



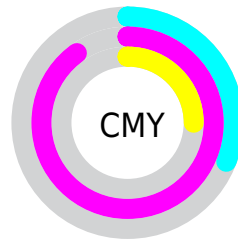
- Red (69%)
- Green (10%)
- Blue (75%)



- Red (69%)
- Yellow (10%)
- Blue (75%)



- Cyan (8%)
- Magenta (86%)
- Yellow (0%)
- Black (25%)





- Cyan (31%)
- Magenta (90%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.4526, 13.6143, 50.4711 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 27.4526, 13.6143, 50.4711 by changing the saturation by 10% instead.


 27.4526, 13.6143,
50.4711


 27.4526, 13.6143,
50.4711


281.9697,
214.8180, 405.2931


 18.0518, 7.8529,
35.4141


 55.0241, 32.4031,
92.2760

 11.0871, 4.0010,
23.6959


 73.9254, 46.1992,
119.8609


 6.1932, 1.6741,
14.8981


 96.7243, 63.4425,
152.4588

 3.0047, 0.4068,
8.6021

 123.7862, 84.5171,
190.4884

 1.1562, 0.0000,
4.3893

 155.4762,
109.8076, 234.3680

 0.0714, 0.0000,
1.8412

 192.1600,

 0.0000, 0.0000,

139.6983, 284.5163

0.4550

234.2026,
174.5736, 341.3519

■ 0.0000, 0.0000,
0.0000

■ 27.4526, 13.6143,
50.4711

■ 27.4526, 13.6143,
50.4711

■ 26.7457, 12.8129,
50.3539

■ 28.4447, 14.9765,
50.6820

■ 26.5228, 12.5867,
50.3220

■ 29.7716, 17.0005,
51.0027

■ 31.4734, 19.7657,
51.4467

■ 33.5839, 23.3397,
52.0253

■ 36.1332, 27.7827,
52.7486

■ 39.1485, 33.1492,
53.6255

■ 42.6548, 39.4889,
54.6644

■ 46.6753, 46.8484,
55.8730

■ 51.2317, 55.2709,
57.2586

Harmonies

Analogous

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



19.4697, 13.6143, 85.4465



27.4526, 13.6143, 50.4711



31.6709, 13.6143, 18.7070

Triad

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



27.4526, 13.6143, 50.4711



14.2331, 13.6143, 0.0000



4.1192, 13.6143, 37.6776

Complementary

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



27.4526, 13.6143, 50.4711



19.7725, 37.8287, 7.2373

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.



3.5924, 13.6143, 11.5188



27.4526, 13.6143, 50.4711



8.0627, 13.6143, 0.0000

Square

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



27.4526, 13.6143, 50.4711



22.4588, 13.6143, 0.1405



4.7311, 13.6143, 1.8045



6.5817, 13.6143, 74.4278

Rectangle

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



27.4526, 13.6143, 50.4711



30.9758, 13.6143, 6.9948



4.7311, 13.6143, 1.8045



3.7590, 13.6143, 27.0152

Sweetspot

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



27.4532, 13.6149, 50.4714



70.0987, 59.3410, 96.0385



10.6762, 5.6734, 49.8228



14.9559, 12.2484, 20.9612



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



27.4532, 13.6149, 50.4714



47.3869, 22.4832, 90.1213



25.5574, 13.2963, 20.6225



9.8363, 9.6480, 12.0160



17.4681, 8.2912, 33.0726



0.7110, 0.3386, 1.2967

Inverse Universe

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



22.2735, 11.9827, 3.3300



38.6460, 19.9037, 2.6682



20.9890, 38.2542, 16.4038



9.5667, 9.5510, 10.1075



14.2088, 7.3147, 1.1274



0.5694, 0.2916, 0.1115

Previews

White Background



This preview shows how the XYZ color 27.4526, 13.6143, 50.4711 looks on a white background.

Color Contrast Check

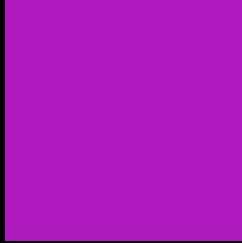
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.4526, 13.6143, 50.4711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

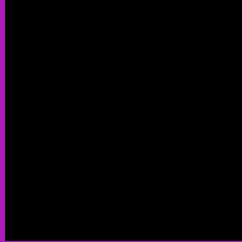
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.4526, 13.6143, 50.4711

Background



This preview shows how black text looks on a background with the XYZ color 27.4526, 13.6143, 50.4711.



This preview shows how white text looks on a background with the XYZ color 27.4526, 13.6143,

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

27.4526, 13.6143, 50.4711

Protanopia

16.6639, 14.1115, 64.7963

Deuteranopia

14.3720, 13.9563, 45.1164



Tritanopia

19.1860, 13.7547, 9.8273

Trichromacy



Original Color

27.4526, 13.6143, 50.4711



Protanomaly

15.5826, 10.3953, 58.9428



Deuteranomaly

15.6498, 10.9049, 46.6274



Tritanomaly

21.0132, 12.7486, 19.7656

Monochromacy



Original Color

27.4526, 13.6143, 50.4711



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

13.4598, 9.3959, 20.8428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4526, 13.6143, 50.4711 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(175, 26, 191)` looks like.

```
.text, #text, p{  
    color:rgb(175, 26, 191)  
}
```

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(175, 26, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 26, 191) }
```

Border

The CSS property to change the border of an element to XYZ 27.4526, 13.6143, 50.4711 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(175, 26, 191) }
```


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

```
.border{ border-color:rgb(175, 26, 191) }
```

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

Here you see how a box with a 4 pixel rgb(175, 26, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 26, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 26, 191);  
box-shadow:4px 4px 4px 4px rgb(175, 26,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4526, 13.6143, 50.4711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 26, 191) }
```

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

```
.background{ background-color: rgb(175, 26,  
191) }
```

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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