

Converting Colors

XYZ(28.2297, 14.7086, 45.1904)

Have a look what the booklet for
XYZ(28.2297, 14.7086, 45.1904)
contains.

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Color

**XYZ(28.1553, 14.6775,
45.0652)**

Conversions

Conversions Part 1

Format	Color
Hex	B528B5
RGB	181, 40, 181
RGB Percent	71%, 16%, 71%
CMY	0.2902, 0.8431, 0.2902
CMYK	0.00, 0.78, 0.00, 0.29
HSL	300°, 64%, 43%
HSV	300°, 78%, 71%
XYZ	28.1553, 14.6775, 45.0652
YIQ	98.2330, 38.7750, 73.7430

Conversions

Conversions Part 2

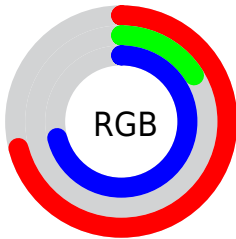
Format	Color
R_{YB}	181, 40, 181
Decimal	11872437
CIE _{Lab}	45.19, 69.56, -43.55
CIE _{LCh}	45, 82.067, 327.951
Yxy	14.6775, 0.3203, 0.1670
Android (android.graphics.Color)	4290062517 (0xFFB528B5)
YUV	98.2330, 40.8041, 72.5867
Hunter-Lab	38.3112, 64.1368, -42.9245

Details

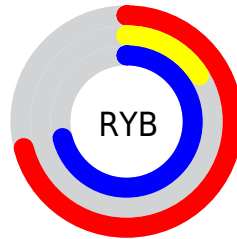
The XYZ color **28.1553, 14.6775, 45.0652** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **17.7826, 33.6527, 7.5666**, and the grayscale version is **11.5633, 12.1654, 13.2482**.

A 20% lighter version of the original color is **55.9726, 34.1424, 83.7608**, and **12.1429, 5.8174, 20.5615** is the 20% darker color. If you saturate the color by 10%, you get **27.6820, 13.7304, 44.9075**, and if you desaturate by 10%, it is **28.9153, 16.1971, 45.3187**.

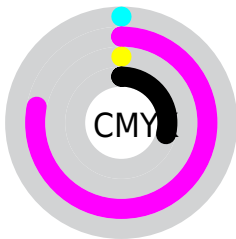
Distribution



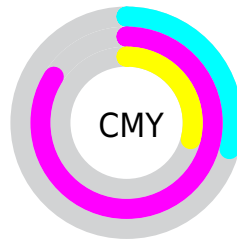
- Red (71%)
- Green (16%)
- Blue (71%)



- Red (71%)
- Yellow (16%)
- Blue (71%)



- Cyan (0%)
- Magenta (78%)
- Yellow (0%)
- Black (29%)





- Cyan (29%)
- Magenta (84%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.1553, 14.6775, 45.0652 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 28.1553, 14.6775, 45.0652 by changing the saturation by 10% instead.

 28.1553, 14.6775,
45.0652


 28.1553, 14.6775,
45.0652

285.2749,
221.4058, 383.2054

 18.5838, 8.5934,
31.1655


 56.1392, 34.2864,
84.1377

 11.4722, 4.4769,
20.4654


 75.2823, 48.5800,
110.1476


 6.4550, 1.9438,
12.5463


 98.3467, 66.3788,
141.0313

 3.1669, 0.5745,
6.9899

 125.6977, 88.0673,
177.2073

 1.2426, 0.0000,
3.3774

 157.7007,
114.0299, 219.0941

 0.1396, 0.0000,
1.2904

 194.7209,

 0.0000, 0.0000,

144.6509, 267.1104

0.0539

237.1239,
180.3147, 321.6747

■ 0.0000, 0.0000,
0.0000

■ 28.1553, 14.6775,
45.0652

■ 28.1553, 14.6775,
45.0652

■ 27.6820, 13.7304,
44.9075

■ 28.9153, 16.1971,
45.3187

■ 27.4381, 13.2427,
44.8262

■ 29.9956, 18.3576,
45.6788

■ 27.3968, 13.1601,
44.8124

■ 31.4270, 21.2203,
46.1560

■ 33.2361, 24.8386,
46.7591

■ 35.4472, 29.2608,
47.4961

■ 38.0824, 34.5312,
48.3746

■ 41.1622, 40.6907,
49.4012

■ 44.7058, 47.7778,
50.5824

■ 48.7312, 55.8287,
51.9243

Harmonies

Analogous

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



20.9879, 14.6775, 76.7496



28.1553, 14.6775, 45.0652



31.4310, 14.6775, 17.3522

Triad

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



28.1553, 14.6775, 45.0652



14.4213, 14.6775, 0.0000



5.3193, 14.6775, 40.6108

Complementary

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



28.1553, 14.6775, 45.0652



17.7826, 33.6527, 7.5666

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.



4.5638, 14.6775, 14.6846



28.1553, 14.6775, 45.0652



8.6936, 14.6775, 0.3788

Square

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



28.1553, 14.6775, 45.0652



22.0646, 14.6775, 0.5840



5.5679, 14.6775, 3.2359



8.1184, 14.6775, 73.0162

Rectangle

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



28.1553, 14.6775, 45.0652



30.3681, 14.6775, 7.0223



5.5679, 14.6775, 3.2359



4.8673, 14.6775, 30.4520

Sweetspot

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



28.1559, 14.6782, 45.0655



65.5178, 56.4715, 85.7414



9.9750, 5.3056, 44.2150



13.8109, 11.5058, 18.4151



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



28.1559, 14.6782, 45.0655



49.2581, 23.9524, 80.3210



22.6574, 12.4788, 16.1107



8.8501, 8.6467, 10.7089



18.8866, 9.0722, 30.8924



0.5943, 0.2854, 0.9720

Inverse Universe

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



28.1559, 14.6782, 45.0655



49.2581, 23.9524, 80.3210



20.2415, 34.6362, 20.5148



8.8501, 8.6467, 10.7089



18.8866, 9.0722, 30.8924



0.5943, 0.2854, 0.9720

Previews

White Background



This preview shows how the XYZ color 28.1553, 14.6775, 45.0652 looks on a white background.

Color Contrast Check

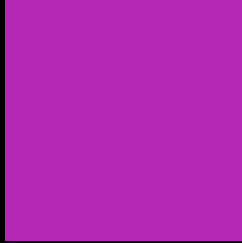
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1553, 14.6775, 45.0652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

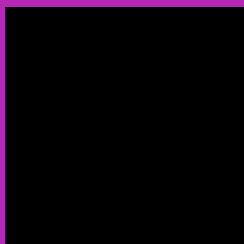
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.1553, 14.6775, 45.0652

Background



This preview shows how black text looks on a background with the XYZ color 28.1553, 14.6775, 45.0652.



This preview shows how white text looks on a background with the XYZ color 28.1553, 14.6775,

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

28.1553, 14.6775, 45.0652

Protanopia

18.0015, 15.1211, 70.3765

Deuteranopia

15.3857, 15.0431, 40.6208



Tritanopia

20.9022, 14.6349, 10.1107

Trichromacy



Original Color

28.1553, 14.6775, 45.0652



Protanomaly

16.3298, 11.4993, 59.7514



Deuteranomaly

17.5132, 12.7264, 42.0908



Tritanomaly

22.6187, 13.9974, 18.9624

Monochromacy



Original Color

28.1553, 14.6775, 45.0652



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

15.4522, 11.4555, 21.8188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1553, 14.6775, 45.0652 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(181, 40, 181)` looks like.

```
.text, #text, p{  
    color:rgb(181, 40, 181)  
}
```

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(181, 40, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 40, 181) }
```

Border

The CSS property to change the border of an element to XYZ 28.1553, 14.6775, 45.0652 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(181, 40, 181) }
```


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

```
.border{ border-color:rgb(181, 40, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 40, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 40, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 40, 181);  
box-shadow:4px 4px 4px 4px rgb(181, 40,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1553, 14.6775, 45.0652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 40, 181) }
```

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

```
.background{ background-color: rgb(181, 40,  
181) }
```

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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