

Converting Colors

XYZ(29.3741, 17.3897, 45.2360)

Have a look what the booklet for
XYZ(29.3741, 17.3897, 45.2360)
contains.

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Color

**XYZ(29.1887, 17.2548,
44.9721)**

Conversions

Conversions Part 1

Format	Color
Hex	B445B4
RGB	180, 69, 180
RGB Percent	71%, 27%, 71%
CMY	0.2941, 0.7294, 0.2941
CMYK	0.00, 0.62, 0.00, 0.29
HSL	300°, 45%, 49%
HSV	300°, 62%, 71%
XYZ	29.1887, 17.2548, 44.9721
YIQ	114.8430, 30.5250, 58.0530

Conversions

Conversions Part 2

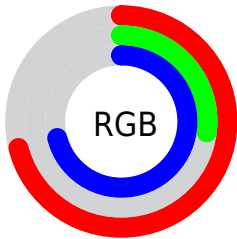
Format	Color
R_{YB}	180, 69, 180
Decimal	11814324
CIE _{Lab}	48.58, 58.98, -37.60
CIE _{LCh}	49, 69.942, 327.480
Yxy	17.2548, 0.3193, 0.1888
Android (android.graphics.Color)	4290004404 (0xFFB445B4)
YUV	114.8430, 32.1224, 57.1427
Hunter-Lab	41.5389, 52.7359, -35.1131

Details

The XYZ color **29.1887, 17.2548, 44.9721** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **19.8504, 34.3381, 11.2128**, and the grayscale version is **16.1483, 16.9893, 18.5013**.

A 20% lighter version of the original color is **57.6079, 38.6486, 83.7805**, and **12.1429, 5.8174, 20.5615** is the 20% darker color. If you saturate the color by 10%, you get **28.2449, 15.3668, 44.6576**, and if you desaturate by 10%, it is **30.4695, 19.8159, 45.3992**.

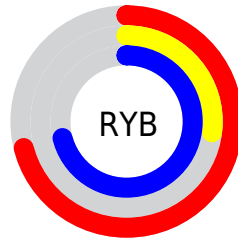
Distribution



Red (71%)

Green (27%)

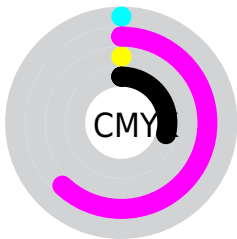
Blue (71%)



Red (71%)

Yellow (27%)

Blue (71%)

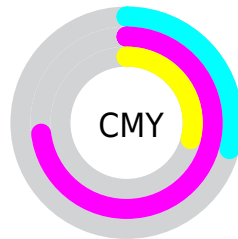


Cyan (0%)

Magenta (62%)

Yellow (0%)

Black (29%)



Cyan (29%)

Magenta (73%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1887, 17.2548, 44.9721 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 29.1887, 17.2548, 44.9721 by changing the saturation by 10% instead.

■ 29.1887, 17.2548,
44.9721

■ 29.1887, 17.2548,
44.9721

290.0824,
236.6365, 382.8174

■ 19.3686, 10.4163,
31.0927

■ 57.7722, 38.7633,
83.9965

■ 12.0425, 5.6759,
20.4104

■ 77.2664, 54.2022,
109.9786

■ 6.8450, 2.6490,
12.5067

■ 100.7160, 73.2767,
140.8320

■ 3.4108, 0.9514,
6.9630

■ 128.4863, 96.3711,
176.9753

■ 1.3746, 0.0000,
3.3609

■ 160.9428,
123.8699, 218.8269

■ 0.2380, 0.0000,
1.2817

198.4507,

■ 0.0000, 0.0000,

156.1574, 266.8054

0.0467

241.3755,
193.6182, 321.3294

■ 0.0000, 0.0000,
0.0000

■ 29.1887, 17.2548,
44.9721

■ 29.1887, 17.2548,
44.9721

■ 28.2449, 15.3668,
44.6576

■ 30.4695, 19.8159,
45.3992

■ 27.6049, 14.0867,
44.4442

■ 32.1130, 23.1029,
45.9471

■ 27.2318, 13.3405,
44.3198

■ 34.1446, 27.1660,
46.6244

■ 27.0609, 12.9987,
44.2627

■ 36.5866, 32.0501,
47.4384

■ 39.4600, 37.7969,
48.3963

■ 42.7842, 44.4452,
49.5044

■ 46.5774, 52.0315,
50.7689

■ 50.8567, 60.5902,
52.1954

■ 55.6386, 70.1539,
53.7894

Harmonies

Analogous

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



22.7916, 17.2548, 70.9542



29.1887, 17.2548, 44.9721



32.1103, 17.2548, 20.3876

Triad

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



29.1887, 17.2548, 44.9721



16.9497, 17.2548, 0.9706



7.6958, 17.2548, 40.3179

Complementary

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



29.1887, 17.2548, 44.9721



19.8504, 34.3381, 11.2128

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.



6.8906, 17.2548, 17.2735



29.1887, 17.2548, 44.9721



11.3315, 17.2548, 1.6302

Square

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



29.1887, 17.2548, 44.9721



23.9843, 17.2548, 1.9547



8.0287, 17.2548, 5.4581



10.6115, 17.2548, 67.2456

Rectangle

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



29.1887, 17.2548, 44.9721



31.2434, 17.2548, 10.0332



8.0287, 17.2548, 5.4581



7.2089, 17.2548, 31.5551

Sweetspot

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



29.1893, 17.2556, 44.9725



67.9981, 61.4321, 86.5681



12.8213, 8.8176, 44.2068



14.3885, 12.6611, 18.6077



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.



29.1893, 17.2556, 44.9725



50.7350, 26.9062, 80.8132



24.6211, 15.4283, 20.9163



8.8501, 8.6467, 10.7089



18.8866, 9.0722, 30.8922



0.5943, 0.2854, 0.9720

Inverse Universe

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



29.1893, 17.2556, 44.9725



50.7350, 26.9062, 80.8132



22.4461, 35.3764, 24.8813



8.8501, 8.6467, 10.7089



18.8866, 9.0722, 30.8922



0.5943, 0.2854, 0.9720

Previews

White Background



This preview shows how the XYZ color 29.1887, 17.2548, 44.9721 looks on a white background.

Color Contrast Check

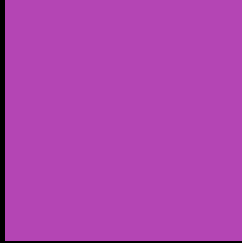
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1887, 17.2548, 44.9721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

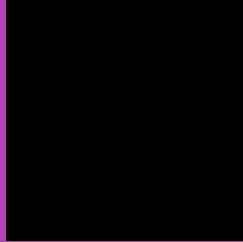
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.1887, 17.2548, 44.9721

Background



This preview shows how black text looks on a background with the XYZ color 29.1887, 17.2548, 44.9721.



This preview shows how white text looks on a background with the XYZ color 29.1887, 17.2548,

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

29.1887, 17.2548, 44.9721

Protanopia

20.3998, 17.6255, 70.0370

Deuteranopia

17.8915, 17.4642, 41.4577



Tritanopia

22.6568, 17.1012, 13.9111

Trichromacy



Original Color

29.1887, 17.2548, 44.9721



Protanomaly

20.6818, 15.5983, 59.6783



Deuteranomaly

20.2739, 16.0415, 42.5852



Tritanomaly

24.5222, 16.8978, 22.3912

Monochromacy



Original Color

29.1887, 17.2548, 44.9721



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

19.6753, 16.0884, 26.4945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1887, 17.2548, 44.9721 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(180, 69, 180)` looks like.

```
.text, #text, p{  
    color:rgb(180, 69, 180)  
}
```

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(180, 69, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 69, 180) }
```

Border

The CSS property to change the border of an element to XYZ 29.1887, 17.2548, 44.9721 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(180, 69, 180) }
```


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

```
.border{ border-color:rgb(180, 69, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 69, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 69, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 69, 180); box-shadow:4px 4px 4px 4px rgb(180, 69, 180) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1887, 17.2548, 44.9721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 69, 180) }
```

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

```
.background{ background-color: rgb(180, 69,  
180) }
```

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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