

Converting Colors

XYZ(27.1580, 15.3412, 29.5467)

Have a look what the booklet for
XYZ(27.1580, 15.3412, 29.5467)
contains.

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Color

**XYZ(27.1580, 15.3412,
29.5467)**

Conversions

Conversions Part 1

Format	Color
Hex	BB3694
RGB	187, 54, 148
RGB Percent	73%, 21%, 58%
CMY	0.2667, 0.7882, 0.4196
CMYK	0.00, 0.71, 0.21, 0.27
HSL	318°, 55%, 47%
HSV	318°, 71%, 73%
XYZ	27.1580, 15.3412, 29.5467
YIQ	104.4830, 49.0940, 57.4300

Conversions

Conversions Part 2

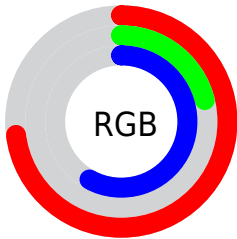
Format	Color
R_{YB}	187, 54, 148
Decimal	12269204
CIE _{Lab}	46.10, 61.66, -22.42
CIE _{LCh}	46, 65.609, 340.020
Yxy	15.3412, 0.3770, 0.2129
Android (android.graphics.Color)	4290459284 (0xFFBB3694)
YUV	104.4830, 21.4539, 72.3674
Hunter-Lab	39.1678, 55.2237, -17.3086

Details

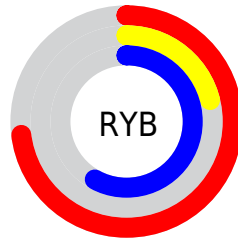
The XYZ color **27.1580, 15.3412, 29.5467** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **21.2683, 37.1159, 16.4007**, and the grayscale version is **13.2234, 13.9120, 15.1502**.

A 20% lighter version of the original color is **54.4609, 35.4454, 59.8484**, and **11.3636, 5.6089, 11.7930** is the 20% darker color. If you saturate the color by 10%, you get **26.0252, 13.7536, 27.0780**, and if you desaturate by 10%, it is **28.6469, 17.6075, 32.2358**.

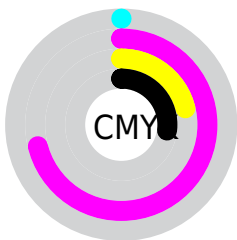
Distribution



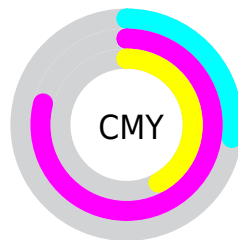
- Red (73%)
- Green (21%)
- Blue (58%)



- Red (73%)
- Yellow (21%)
- Blue (58%)



- Cyan (0%)
- Magenta (71%)
- Yellow (21%)
- Black (27%)



- Cyan (27%)
- Magenta (79%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1580, 15.3412, 29.5467 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 27.1580, 15.3412, 29.5467 by changing the saturation by 10% instead.

■ 27.1580, 15.3412,
29.5467

■ 27.1580, 15.3412,
29.5467

280.5749,
225.4222, 313.9270

■ 17.8291, 9.0592,
19.2457

■ 54.5554, 35.4506,
59.9971

■ 10.9263, 4.7798,
11.6693

■ 73.3546, 50.0469,
80.9835

■ 6.0842, 2.1187,
6.3991

■ 96.0414, 68.1833,
106.3688

■ 2.9375, 0.6751,
3.0166

■ 122.9810, 90.2443,
136.5714

■ 1.1208, 0.0000,
1.1031

■ 154.5387,
116.6143, 172.0101

■ 0.0424, 0.0000,
0.0000

191.0801,

■ 0.0000, 0.0000,

147.6777, 213.1032

0.0000

232.9704,
183.8189, 260.2693

■ 27.1580, 15.3412,
29.5467

■ 27.1580, 15.3412,
29.5467

■ 26.0252, 13.7536,
27.0780

■ 28.6469, 17.6075,
32.2358

■ 25.2058, 12.7608,
24.8138

■ 30.5249, 20.6189,
35.1573

■ 24.6697, 12.2353,
22.9497

■ 32.8229, 24.4365,
38.3230

■ 35.5682, 29.1145,
41.7432

■ 38.7856, 34.7020,
45.4276

■ 42.4982, 41.2449,
49.3851

■ 46.7274, 48.7857,
53.6241

■ 51.4934, 57.3642,
58.1525

■ 56.8154, 67.0184,
62.9778

Harmonies

Analogous

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



22.6204, 15.3412, 52.9830



27.1580, 15.3412, 29.5467



27.8938, 15.3412, 11.9103

Triad

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



27.1580, 15.3412, 29.5467



12.7941, 15.3412, 1.0417



7.8149, 15.3412, 45.2548

Complementary

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



27.1580, 15.3412, 29.5467



21.2683, 37.1159, 16.4007

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.



6.3661, 15.3412, 22.6371



27.1580, 15.3412, 29.5467



8.7160, 15.3412, 2.4969

Square

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



27.1580, 15.3412, 29.5467



18.5604, 15.3412, 1.2741



6.6475, 15.3412, 8.2551



11.2160, 15.3412, 65.3751

Rectangle

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



27.1580, 15.3412, 29.5467



25.9750, 15.3412, 5.5693



6.6475, 15.3412, 8.2551



7.1284, 15.3412, 37.2590

Sweetspot

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



27.1585, 15.3420, 29.5470



69.3280, 61.9124, 81.2096



14.6718, 8.4861, 47.8788



14.8974, 12.9884, 17.4708



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.



27.1585, 15.3420, 29.5470



45.7746, 23.5757, 46.3215



23.3677, 13.8256, 9.5847



9.8075, 9.6473, 11.3751



17.0302, 8.4433, 15.9848



0.6943, 0.3416, 0.7697

Inverse Universe

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



27.1585, 15.3420, 29.5470



45.7746, 23.5757, 46.3215



25.4797, 38.8004, 38.5778



9.8075, 9.6473, 11.3751



17.0302, 8.4433, 15.9848



0.6943, 0.3416, 0.7697

Previews

White Background



This preview shows how the XYZ color 27.1580, 15.3412, 29.5467 looks on a white background.

Color Contrast Check

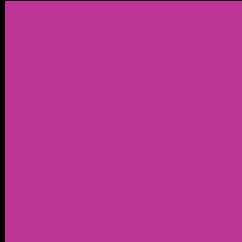
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1580, 15.3412, 29.5467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

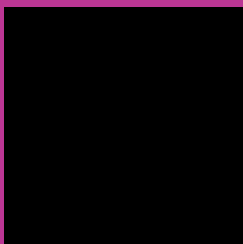
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.1580, 15.3412, 29.5467

Background



This preview shows how black text looks on a background with the XYZ color 27.1580, 15.3412, 29.5467.



This preview shows how white text looks on a background with the XYZ color 27.1580, 15.3412,

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

27.1580, 15.3412, 29.5467

Protanopia

17.2996, 15.6496, 50.8241

Deuteranopia

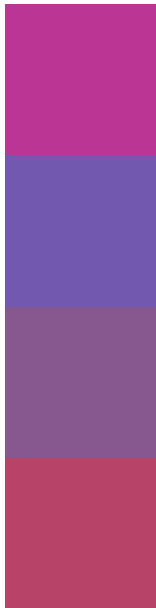
15.9219, 15.6218, 26.9871



Tritanopia

22.9161, 15.2858, 9.1398

Trichromacy



Original Color

27.1580, 15.3412, 29.5467

Protanomaly

18.1670, 13.6520, 42.2350

Deuteranomaly

18.4393, 14.1135, 27.7389

Tritanomaly

24.0343, 15.0811, 14.7409

Monochromacy



Original Color

27.1580, 15.3412, 29.5467

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

16.5495, 13.0800, 19.4217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1580, 15.3412, 29.5467 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(187, 54, 148)` looks like.

```
.text, #text, p{  
  color:rgb(187, 54, 148)  
}
```

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(187, 54, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 54, 148) }
```

Border

The CSS property to change the border of an element to XYZ 27.1580, 15.3412, 29.5467 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(187, 54, 148) }
```


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

```
.border{ border-color:rgb(187, 54, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 54, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 54, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 54, 148);  
box-shadow:4px 4px 4px 4px rgb(187, 54,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1580, 15.3412, 29.5467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 54, 148) }
```

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

```
.background{ background-color: rgb(187, 54,  
148) }
```

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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