

Converting Colors

XYZ(24.6567, 13.3454, 18.0383)

Have a look what the booklet for
XYZ(24.6567, 13.3454, 18.0383)
contains.

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Color

**XYZ(24.6115, 13.2989,
18.0994)**

Conversions

Conversions Part 1

Format	Color
Hex	BC2575
RGB	188, 37, 117
RGB Percent	74%, 15%, 46%
CMY	0.2627, 0.8549, 0.5412
CMYK	0.00, 0.80, 0.38, 0.26
HSL	328°, 67%, 44%
HSV	328°, 80%, 74%
XYZ	24.6115, 13.2989, 18.0994
YIQ	91.2690, 64.3160, 56.8920

Conversions

Conversions Part 2

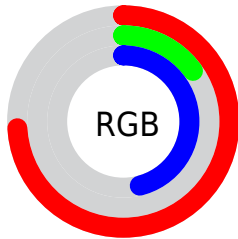
Format	Color
R_{YB}	188, 37, 117
Decimal	12330357
CIE _{Lab}	43.21, 63.47, -7.88
CIE _{LCh}	43, 63.962, 352.922
Yxy	13.2989, 0.4394, 0.2374
Android (android.graphics.Color)	4290520437 (0xFFBC2575)
YUV	91.2690, 12.6854, 84.8331
Hunter-Lab	36.4677, 56.6487, -3.8991

Details

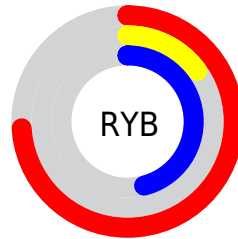
The XYZ color **24.6115, 13.2989, 18.0994** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **21.4540, 37.4429, 20.2872**, and the grayscale version is **9.9682, 10.4874, 11.4207**.

A 20% lighter version of the original color is **50.3347, 31.7447, 41.0105**, and **10.1274, 5.0968, 6.0802** is the 20% darker color. If you saturate the color by 10%, you get **23.6741, 12.2170, 15.3424**, and if you desaturate by 10%, it is **25.8997, 15.0038, 21.2158**.

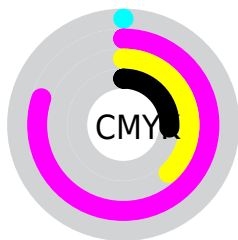
Distribution



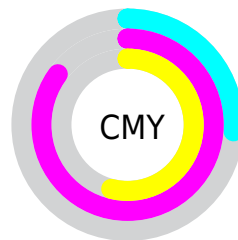
- Red (74%)
- Green (15%)
- Blue (46%)



- Red (74%)
- Yellow (15%)
- Blue (46%)



- Cyan (0%)
- Magenta (80%)
- Yellow (38%)
- Black (26%)



- Cyan (26%)
- Magenta (85%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6115, 13.2989, 18.0994 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 24.6115, 13.2989, 18.0994 by changing the saturation by 10% instead.

■ 24.6115, 13.2989,
18.0994

■ 24.6115, 13.2989,
18.0994

268.2811,
212.8245, 253.6856

■ 15.9150, 7.6347,
10.8512

■ 50.4737, 31.8397,
41.0229

■ 9.5545, 3.8621,
5.8540

■ 68.3702, 45.4852,
57.5352

■ 5.1646, 1.5967,
2.6891

■ 90.0640, 62.5598,
77.9726

■ 2.3799, 0.3554,
0.9379

■ 115.9205, 83.4480,
102.7537

■ 0.8351, 0.0000,
0.0000

■ 146.3051,
108.5341, 132.2971

■ 0.0000, 0.0000,
0.0000

■ 181.5832,

138.2027, 167.0211

222.1201,
172.8380, 207.3445

■ 24.6115, 13.2989,
18.0994

■ 24.6115, 13.2989,
18.0994

■ 23.6741, 12.2170,
15.3424

■ 25.8997, 15.0038,
21.2158

■ 23.0197, 11.6036,
12.9807

■ 27.5797, 17.4114,
24.7113

■ 29.6872, 20.5917,
28.6042

■ 32.2539, 24.6055,
32.9108

■ 35.3079, 29.5077,
37.6465

■ 38.8752, 35.3482,
42.8254

■ 42.9799, 42.1733,
48.4609

■ 47.6443, 50.0262,
54.5658

■ 52.8897, 58.9476,
61.1523

Harmonies

Analogous

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



21.8395, 13.2989, 37.8687



24.6115, 13.2989, 18.0994



23.5693, 13.2989, 6.2559

Triad

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



24.6115, 13.2989, 18.0994



9.2883, 13.2989, 1.0954



7.7326, 13.2989, 48.8583

Complementary

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



24.6115, 13.2989, 18.0994



21.4540, 37.4429, 20.2872

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.



5.7521, 13.2989, 27.8784



24.6115, 13.2989, 18.0994



6.4730, 13.2989, 3.4889

Square

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



24.6115, 13.2989, 18.0994



13.8477, 13.2989, 0.7708



5.3602, 13.2989, 11.3789



11.5050, 13.2989, 61.7655

Rectangle

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



24.6115, 13.2989, 18.0994



20.9548, 13.2989, 2.7287



5.3602, 13.2989, 11.3789



6.8800, 13.2989, 42.0492

Sweetspot

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



24.6119, 13.2996, 18.0996



67.7023, 59.5333, 73.6863



15.8595, 8.1100, 48.3064



14.0696, 12.0022, 15.1314



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.



24.6119, 13.2996, 18.0996



42.0161, 21.3185, 24.5612



21.8197, 12.1828, 3.3962



9.7357, 9.6186, 10.9970



15.7109, 7.9155, 9.0372



0.6482, 0.3232, 0.5267

Inverse Universe

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



24.6119, 13.2996, 18.0996



42.0161, 21.3185, 24.5612



27.2904, 39.7775, 51.0212



9.7357, 9.6186, 10.9970



15.7109, 7.9155, 9.0372



0.6482, 0.3232, 0.5267

Previews

White Background



This preview shows how the XYZ color 24.6115, 13.2989, 18.0994 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 24.6115, 13.2989, 18.0994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

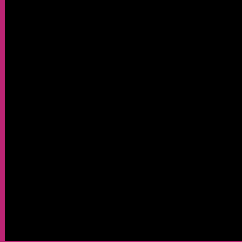
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.6115, 13.2989, 18.0994

Background



This preview shows how black text looks on a background with the XYZ color 24.6115, 13.2989, 18.0994.



This preview shows how white text looks on a background with the XYZ color 24.6115, 13.2989,

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

24.6115, 13.2989, 18.0994

Protanopia

14.3914, 13.6044, 34.6683

Deuteranopia

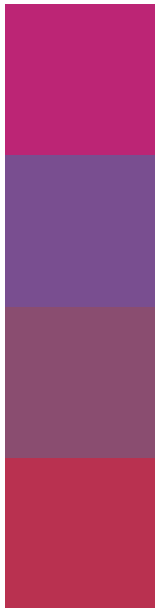
13.7479, 13.5335, 16.3556



Tritanopia

21.9708, 13.3345, 5.5535

Trichromacy



Original Color

24.6115, 13.2989, 18.0994

Protanomaly

15.6436, 11.5273, 27.7860

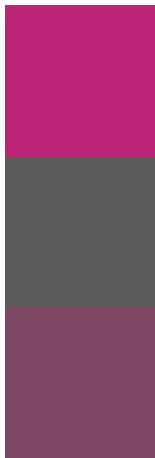
Deuteranomaly

16.0597, 11.8809, 16.7760

Tritanomaly

22.5539, 13.0901, 8.9273

Monochromacy



Original Color

24.6115, 13.2989, 18.0994

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

13.1577, 9.8622, 13.2667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6115, 13.2989, 18.0994 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(188, 37, 117)` looks like.

```
.text, #text, p{  
    color:rgb(188, 37, 117)  
}
```

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(188, 37, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 37, 117) }
```

Border

The CSS property to change the border of an element to XYZ 24.6115, 13.2989, 18.0994 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(188, 37, 117) }
```


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

```
.border{ border-color:rgb(188, 37, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 37, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 37, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 37, 117);  
box-shadow:4px 4px 4px 4px rgb(188, 37,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6115, 13.2989, 18.0994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 37, 117) }
```

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

```
.background{ background-color: rgb(188, 37,  
117) }
```

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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