

Converting Colors

XYZ(29.9956, 19.7171, 38.2951)

Have a look what the booklet for
XYZ(29.9956, 19.7171, 38.2951)
contains.

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Color

**XYZ(30.0583, 19.7599,
38.3062)**

Conversions

Conversions Part 1

Format	Color
Hex	B857A6
RGB	184, 87, 166
RGB Percent	72%, 34%, 65%
CMY	0.2784, 0.6588, 0.3490
CMYK	0.00, 0.53, 0.10, 0.28
HSL	311°, 41%, 53%
HSV	311°, 53%, 72%
XYZ	30.0583, 19.7599, 38.3062
YIQ	125.0090, 32.4530, 45.1330

Conversions

Conversions Part 2

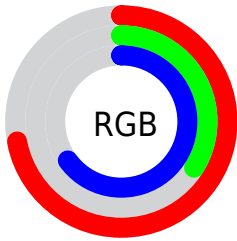
Format	Color
RYB	184, 87, 166
Decimal	12081062
CIELab	51.56, 49.43, -24.70
CIELCh	52, 55.253, 333.449
Yxy	19.7599, 0.3411, 0.2242
Android (android.graphics.Color)	4290271142 (0xFFB857A6)
YUV	125.0090, 20.2086, 51.7351
Hunter-Lab	44.4521, 42.9096, -19.9761

Details

The XYZ color **30.0583, 19.7599, 38.3062** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **23.6217, 37.3278, 19.3260**, and the grayscale version is **19.4232, 20.4347, 22.2534**.

A 20% lighter version of the original color is **59.1940, 43.1475, 73.6150**, and **12.4559, 6.8371, 16.5828** is the 20% darker color. If you saturate the color by 10%, you get **28.4451, 17.0278, 36.2436**, and if you desaturate by 10%, it is **32.0608, 23.2565, 40.5400**.

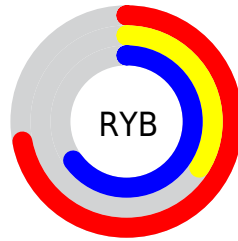
Distribution



Red (72%)

Green (34%)

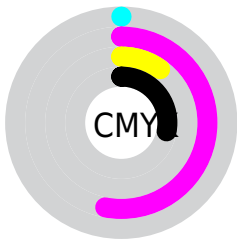
Blue (65%)



Red (72%)

Yellow (34%)

Blue (65%)

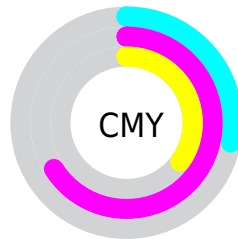


Cyan (0%)

Magenta (53%)

Yellow (10%)

Black (28%)



Cyan (28%)


Magenta (66%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.0583, 19.7599, 38.3062 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 30.0583, 19.7599, 38.3062 by changing the saturation by 10% instead.


 30.0583, 19.7599,
38.3062


 30.0583, 19.7599,
38.3062


294.0811,
250.6123, 354.2692

 20.0311, 12.2206,
25.9168


 59.1404, 43.0143,
73.7858


 12.5261, 6.8941,
16.5362


 78.9260, 59.4982,
97.7131

 7.1778, 3.3960,
9.7459


 102.6951, 79.7324,
126.3234

 3.6208, 1.3418,
5.1274

 130.8131,
104.1014, 160.0353

 1.4899, 0.1732,
2.2622

163.6454,
132.9894, 199.2672

 0.3190, 0.0000,
0.7099

201.5572,

 0.0000, 0.0000,

166.7810, 244.4378

0.0000

244.9140,
205.8605, 295.9656

■ 30.0583, 19.7599,
38.3062

■ 30.0583, 19.7599,
38.3062

■ 28.4451, 17.0278,
36.2436

■ 32.0608, 23.2565,
40.5400

■ 27.1896, 14.9984,
34.3408

■ 34.4770, 27.5675,
42.9528

■ 26.2588, 13.6050,
32.5866

■ 37.3316, 32.7418,
45.5535

■ 25.6121, 12.7670,
30.9672

■ 40.6469, 38.8238,
48.3496

■ 25.2607, 12.3878,
29.8524

■ 44.4435, 45.8547,
51.3485

■ 48.7408, 53.8733,
54.5568

■ 53.5571, 62.9160,
57.9810

■ 58.9099, 73.0177,
61.6271

■ 64.8157, 84.2112,
65.5010

Harmonies

Analogous

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



25.3110, 19.7599, 58.5023



30.0583, 19.7599, 38.3062



31.6000, 19.7599, 19.7255

Triad

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



30.0583, 19.7599, 38.3062



18.1454, 19.7599, 3.1409



11.1993, 19.7599, 43.1860

Complementary

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



30.0583, 19.7599, 38.3062



23.6217, 37.3278, 19.3260

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.



10.0040, 19.7599, 23.4100



30.0583, 19.7599, 38.3062



13.4837, 19.7599, 4.7466

Square

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



30.0583, 19.7599, 38.3062



23.9762, 19.7599, 4.1054



10.7499, 19.7599, 10.5268



14.3967, 19.7599, 62.1642

Rectangle

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



30.0583, 19.7599, 38.3062



30.3942, 19.7599, 11.4873



10.7499, 19.7599, 10.5268



10.5822, 19.7599, 36.1418

Sweetspot

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



30.0589, 19.7608, 38.3066



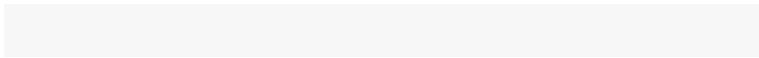
71.4497, 66.2679, 85.8038



17.8612, 13.2683, 46.9675



15.1374, 13.7985, 18.2741



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



30.0589, 19.7608, 38.3066



51.2227, 30.3030, 65.2224



26.4294, 18.3090, 19.1935



9.3075, 9.1334, 10.9667



17.4335, 8.5472, 20.7016



0.6334, 0.3088, 0.8287

Inverse Universe

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



30.0589, 19.7608, 38.3066



51.2227, 30.3030, 65.2224



26.8450, 38.6172, 36.2997



9.3075, 9.1334, 10.9667



17.4335, 8.5472, 20.7016



0.6334, 0.3088, 0.8287

Previews

White Background



This preview shows how the XYZ color 30.0583, 19.7599, 38.3062 looks on a white background.

Color Contrast Check

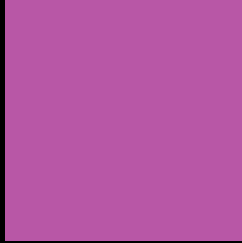
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 30.0583, 19.7599, 38.3062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

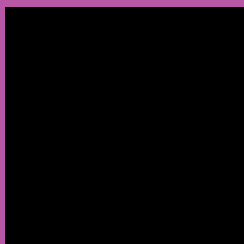
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.0583, 19.7599, 38.3062

Background



This preview shows how black text looks on a background with the XYZ color 30.0583, 19.7599, 38.3062.



This preview shows how white text looks on a background with the XYZ color 30.0583, 19.7599,

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

30.0583, 19.7599, 38.3062

Protanopia

21.3928, 20.0664, 53.1978

Deuteranopia

20.3850, 19.9258, 36.0294



Tritanopia

25.7206, 19.8550, 16.6641

Trichromacy



Original Color

30.0583, 19.7599, 38.3062

Protanomaly

23.0691, 19.0233, 47.2557

Deuteranomaly

22.9747, 19.2086, 36.6792

Tritanomaly

26.9677, 19.6540, 23.1411

Monochromacy



Original Color

30.0583, 19.7599, 38.3062

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

22.2721, 19.3733, 27.3765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0583, 19.7599, 38.3062 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(184, 87, 166)` looks like.

```
.text, #text, p{  
    color:rgb(184, 87, 166)  
}
```

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(184, 87, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 87, 166) }
```

Border

The CSS property to change the border of an element to XYZ 30.0583, 19.7599, 38.3062 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(184, 87, 166) }
```


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

```
.border{ border-color:rgb(184, 87, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 87, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 87, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 87, 166);  
box-shadow:4px 4px 4px 4px rgb(184, 87,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0583, 19.7599, 38.3062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 87, 166) }
```

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

```
.background{ background-color: rgb(184, 87,  
166) }
```

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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