

Converting Colors

XYZ(30.0779, 20.2028, 33.9586)

Have a look what the booklet for
XYZ(30.0779, 20.2028, 33.9586)
contains.

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Color

**XYZ(30.1504, 20.2774,
33.7773)**

Conversions

Conversions Part 1

Format	Color
Hex	BB5A9C
RGB	187, 90, 156
RGB Percent	73%, 35%, 61%
CMY	0.2667, 0.6470, 0.3882
CMYK	0.00, 0.52, 0.17, 0.27
HSL	319°, 42%, 54%
HSV	319°, 52%, 73%
XYZ	30.1504, 20.2774, 33.7773
YIQ	126.5270, 36.6260, 41.0900

Conversions

Conversions Part 2

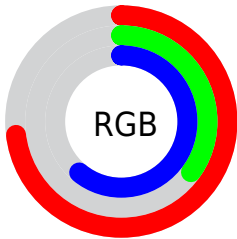
Format	Color
R _Y B	187, 90, 156
Decimal	12278428
CIE Lab	52.15, 47.25, -17.89
CIE LCh	52, 50.526, 339.263
Yxy	20.2774, 0.3581, 0.2408
Android (android.graphics.Color)	4290468508 (0xFFBB5A9C)
YUV	126.5270, 14.5302, 53.0348
Hunter-Lab	45.0304, 40.7125, -12.9521

Details

The XYZ color **30.1504, 20.2774, 33.7773** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **25.4389, 39.0954, 24.2962**, and the grayscale version is **19.9546, 20.9938, 22.8623**.

A 20% lighter version of the original color is **59.2365, 43.7605, 66.9525**, and **12.5714, 7.1684, 14.0856** is the 20% darker color. If you saturate the color by 10%, you get **28.2733, 17.3130, 30.7158**, and if you desaturate by 10%, it is **32.4504, 24.0472, 37.1030**.

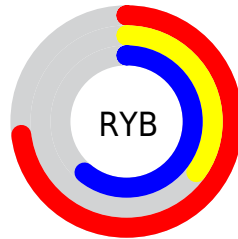
Distribution



Red (73%)

Green (35%)

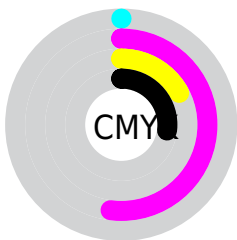
Blue (61%)



Red (73%)

Yellow (35%)

Blue (61%)

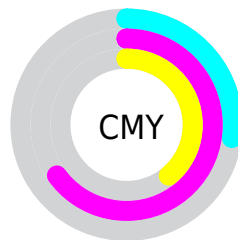


Cyan (0%)

Magenta (52%)

Yellow (17%)

Black (27%)



Cyan (27%)


Magenta (65%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1504, 20.2774, 33.7773 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 30.1504, 20.2774, 33.7773 by changing the saturation by 10% instead.

 30.1504, 20.2774,
33.7773


 30.1504, 20.2774,
33.7773


294.5021,
253.4129, 333.8767

 20.1014, 12.5968,
22.4466


 59.2849, 43.8818,
66.7171


 12.5775, 7.1515,
13.9840


 79.1012, 60.5744,
89.1633

 7.2132, 3.5570,
7.9709


 102.9039, 81.0398,
116.1518

 3.6433, 1.4290,
3.9888

 131.0585,
105.6624, 148.1010

 1.5024, 0.2380,
1.6192

163.9303,
134.8267, 185.4296

 0.3275, 0.0000,
0.3045

201.8845,

 0.0000, 0.0000,

168.9169, 228.5560

0.0000

245.2867,
208.3175, 277.8989

■ 30.1504, 20.2774,
33.7773

■ 30.1504, 20.2774,
33.7773

■ 28.2733, 17.3130,
30.7158

■ 32.4504, 24.0472,
37.1030

■ 26.7865, 15.0903,
27.9054

■ 35.1990, 28.6739,
40.7026

■ 25.6555, 13.5405,
25.3330

■ 38.4219, 34.2084,
44.5866

■ 24.8387, 12.5808,
22.9828

■ 42.1424, 40.6964,
48.7643

■ 24.3397, 12.1033,
21.2123

■ 46.3821, 48.1809,
53.2447

■ 51.1613, 56.7020,
58.0360

■ 56.4994, 66.2975,
63.1462

■ 62.4144, 77.0037,
68.5830

■ 67.8603, 86.7275,
73.9990

Harmonies

Analogous

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



26.2772, 20.2774, 52.2883



30.1504, 20.2774, 33.7773



30.8492, 20.2774, 17.8040

Triad

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



30.1504, 20.2774, 33.7773



17.7162, 20.2774, 4.2103



12.5529, 20.2774, 45.4553

Complementary

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



30.1504, 20.2774, 33.7773



25.4389, 39.0954, 24.2962

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.



11.0295, 20.2774, 26.9879



30.1504, 20.2774, 33.7773



13.6392, 20.2774, 6.5534

Square

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



30.1504, 20.2774, 33.7773



23.0133, 20.2774, 4.7178



11.3881, 20.2774, 13.4511



15.9617, 20.2774, 60.8642

Rectangle

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



30.1504, 20.2774, 33.7773



29.3162, 20.2774, 10.8774



11.3881, 20.2774, 13.4511



11.8337, 20.2774, 39.1329

Sweetspot

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



30.1510, 20.2784, 33.7777



72.4392, 67.5706, 83.9860



20.4723, 14.9458, 48.8198



15.6509, 14.3549, 18.1557



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.



30.1510, 20.2784, 33.7777



50.3011, 30.4915, 54.4189



26.8457, 18.9562, 16.3722



9.7967, 9.6430, 11.3183



16.8042, 8.3528, 14.7945



0.6868, 0.3386, 0.7299

Inverse Universe

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



30.1510, 20.2784, 33.7777



50.3011, 30.4915, 54.4189



29.1693, 40.5876, 43.9403



9.7967, 9.6430, 11.3183



16.8042, 8.3528, 14.7945



0.6868, 0.3386, 0.7299

Previews

White Background



This preview shows how the XYZ color 30.1504, 20.2774, 33.7773 looks on a white background.

Color Contrast Check

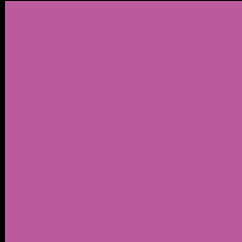
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.1504, 20.2774, 33.7773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

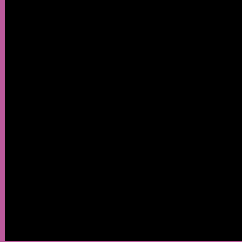
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.1504, 20.2774, 33.7773

Background



This preview shows how black text looks on a background with the XYZ color 30.1504, 20.2774, 33.7773.



This preview shows how white text looks on a background with the XYZ color 30.1504, 20.2774,

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

30.1504, 20.2774, 33.7773

Protanopia

21.3673, 20.5663, 46.5596

Deuteranopia

20.8576, 20.4385, 32.1239



Tritanopia

26.6519, 20.3352, 16.7077

Trichromacy



Original Color

30.1504, 20.2774, 33.7773

Protanomaly

23.1225, 19.4983, 41.5746

Deuteranomaly

23.3583, 19.6548, 32.6996

Tritanomaly

27.7435, 20.2204, 21.8427

Monochromacy



Original Color

30.1504, 20.2774, 33.7773

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

22.9992, 20.2592, 26.7430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1504, 20.2774, 33.7773 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, 90, 156)` looks like.

```
.text, #text, p{  
    color:rgb(187, 90, 156)  
}
```

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, 90, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 90, 156) }
```

Border

The CSS property to change the border of an element to XYZ 30.1504, 20.2774, 33.7773 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, 90, 156) }
```


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

```
.border{ border-color:rgb(187, 90, 156) }
```

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

Here you see how a box with a 4 pixel rgb(187, 90, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 90, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 90, 156);  
box-shadow:4px 4px 4px 4px rgb(187, 90,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1504, 20.2774, 33.7773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 90, 156) }
```

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

```
.background{ background-color: rgb(187, 90,  
156) }
```

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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