

Converting Colors

XYZ(28.3650, 21.1956, 30.1871)

Have a look what the booklet for
XYZ(28.3650, 21.1956, 30.1871)
contains.

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Color

**XYZ(28.4768, 21.2721,
30.2088)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | B26793 |
| RGB | 178, 103, 147 |
| RGB Percent | 70%, 40%, 58% |
| CMY | 0.3020, 0.5961, 0.4235 |
| CMYK | 0.00, 0.42, 0.17, 0.30 |
| HSL | 325°, 33%, 55% |
| HSV | 325°, 42%, 70% |
| XYZ | 28.4768, 21.2721, 30.2088 |
| YIQ | 130.4410, 30.5760, 29.5840 |

Conversions

Conversions Part 2

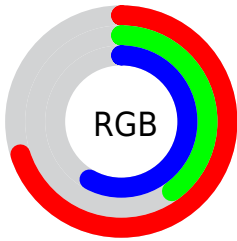
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 178, 103, 147 |
| Decimal | 11691923 |
| CIE _{Lab} | 53.25, 36.10, -11.05 |
| CIE _{LCh} | 53, 37.751, 342.974 |
| Yxy | 21.2721, 0.3561, 0.2660 |
| Android (android.graphics.Color) | 4289882003 (0xFFB26793) |
| YUV | 130.4410, 8.1636, 41.7092 |
| Hunter-Lab | 46.1217, 29.4979, -6.5486 |

Details

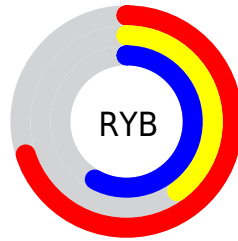
The XYZ color **28.4768, 21.2721, 30.2088** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **25.8180, 36.4462, 28.2300**, and the grayscale version is **21.3393, 22.4506, 24.4487**.

A 20% lighter version of the original color is **56.6920, 45.6561, 61.0829**, and **11.6966, 7.6758, 11.9314** is the 20% darker color. If you saturate the color by 10%, you get **26.3322, 17.8773, 26.7359**, and if you desaturate by 10%, it is **31.0365, 25.4375, 34.0027**.

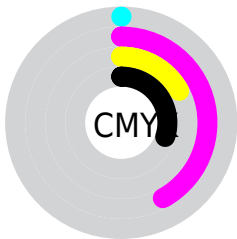
Distribution



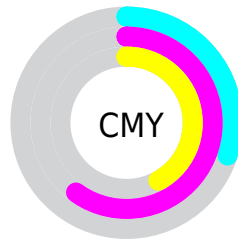
- Red (70%)
- Green (40%)
- Blue (58%)



- Red (70%)
- Yellow (40%)
- Blue (58%)



- Cyan (0%)
- Magenta (42%)
- Yellow (17%)
- Black (30%)





- Cyan (30%)
- Magenta (60%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.4768, 21.2721, 30.2088 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 28.4768, 21.2721, 30.2088 by changing the saturation by 10% instead.

 28.4768, 21.2721,
30.2088


 28.4768, 21.2721,
30.2088


286.7772,
258.7210, 317.1141


 18.8277, 13.3230,
19.7437


 56.6481, 45.5399,
61.0571


 11.6491, 7.6514,
12.0267


 75.9010, 62.6275,
82.2775

 6.5757, 3.8727,
6.6391


 99.0859, 83.5301,
107.9200

 3.2421, 1.6026,
3.1624

 126.5681,
108.6320, 138.4032

 1.2831, 0.3594,
1.1782

158.7130,
138.3176, 174.1457

 0.1705, 0.0000,
0.0000

195.8859,

 0.0000, 0.0000,

172.9714, 215.5660

0.0000

238.4522,
212.9778, 263.0826

■ 28.4768, 21.2721,
30.2088

■ 28.4768, 21.2721,
30.2088

■ 26.3322, 17.8773,
26.7359

■ 31.0365, 25.4375,
34.0027

■ 24.5759, 15.2014,
23.5711

■ 34.0321, 30.4146,
38.1272

■ 23.1810, 13.1914,
20.7022

■ 37.4851, 36.2455,
42.5929

■ 22.1160, 11.7854,
18.1150

■ 41.4151, 42.9681,
47.4094

■ 21.3433, 10.9096,
15.7933

■ 45.8406, 50.6184,
52.5860

■ 20.8804, 10.4731,
14.1307

■ 50.7789, 59.2301,
58.1313

■ 56.2465, 68.8354,
64.0539

■ 62.2592, 79.4649,
70.3618

■ 66.1584, 85.8003,
76.1716

Harmonies

Analogous

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



25.9119, 21.2721, 43.2428



28.4768, 21.2721, 30.2088



28.6535, 21.2721, 18.5708

Triad

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



28.4768, 21.2721, 30.2088



18.5445, 21.2721, 7.6710



15.1089, 21.2721, 41.5988

Complementary

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



28.4768, 21.2721, 30.2088



25.8180, 36.4462, 28.2300

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.



13.6262, 21.2721, 28.4530



28.4768, 21.2721, 30.2088



15.4269, 21.2721, 10.5186

Square

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



28.4768, 21.2721, 30.2088



22.5490, 21.2721, 7.8651



13.7344, 21.2721, 17.3058



18.0544, 21.2721, 51.1615

Rectangle

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



28.4768, 21.2721, 30.2088



27.3614, 21.2721, 13.1435



13.7344, 21.2721, 17.3058



14.4414, 21.2721, 37.2957

Sweetspot

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



28.4774, 21.2731, 30.2092



67.2509, 64.4957, 76.3236



22.5600, 17.9026, 44.3862



14.5837, 13.7538, 16.5076



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.



28.4774, 21.2731, 30.2092



47.8399, 32.5566, 48.6341



26.0529, 20.3033, 17.4421



8.6984, 8.5861, 9.9104



14.9720, 7.5064, 10.2784



0.4993, 0.2475, 0.4719

Inverse Universe

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



28.4774, 21.2731, 30.2092



47.8399, 32.5566, 48.6341



28.8177, 37.6461, 44.0267



8.6984, 8.5861, 9.9104



14.9720, 7.5064, 10.2784



0.4993, 0.2475, 0.4719

Previews

White Background



This preview shows how the XYZ color 28.4768, 21.2721, 30.2088 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 28.4768, 21.2721, 30.2088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

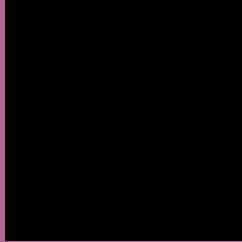
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.4768, 21.2721, 30.2088

Background



This preview shows how black text looks on a background with the XYZ color 28.4768, 21.2721, 30.2088.



This preview shows how white text looks on a background with the XYZ color 28.4768, 21.2721,

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

28.4768, 21.2721, 30.2088

Protanopia

21.5429, 21.4176, 37.6489

Deuteranopia

21.8384, 21.3850, 28.9633



Tritanopia

26.3587, 21.3356, 19.5585

Trichromacy



Original Color

28.4768, 21.2721, 30.2088

Protanomaly

23.3795, 20.9666, 34.7130

Deuteranomaly

23.6739, 20.8940, 29.1707

Tritanomaly

27.0585, 21.3040, 23.1080

Monochromacy



Original Color

28.4768, 21.2721, 30.2088

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

23.1930, 21.4136, 26.2034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4768, 21.2721, 30.2088 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(178, 103, 147)` looks like.

```
.text, #text, p{  
    color:rgb(178, 103, 147)  
}
```

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(178, 103, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 103, 147) }
```

Border

The CSS property to change the border of an element to XYZ 28.4768, 21.2721, 30.2088 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(178, 103, 147) }
```


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

```
.border{ border-color:rgb(178, 103, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 103, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 103, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 103, 147);  
box-shadow:4px 4px 4px 4px rgb(178, 103,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4768, 21.2721, 30.2088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 103, 147) }
```

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

```
.background{ background-color: rgb(178,  
103, 147) }
```

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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