

Converting Colors

XYZ(24.8116, 16.4817, 28.7745)

Have a look what the booklet for
XYZ(24.8116, 16.4817, 28.7745)
contains.

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Color

**XYZ(24.7741, 16.4396,
28.6555)**

Conversions

Conversions Part 1

Format	Color
Hex	AB5091
RGB	171, 80, 145
RGB Percent	67%, 31%, 57%
CMY	0.3294, 0.6863, 0.4314
CMYK	0.00, 0.53, 0.15, 0.33
HSL	317°, 36%, 49%
HSV	317°, 53%, 67%
XYZ	24.7741, 16.4396, 28.6555
YIQ	114.6190, 33.3710, 39.5070

Conversions

Conversions Part 2

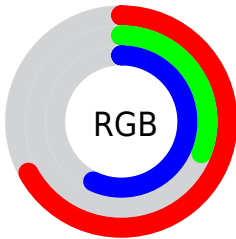
Format	Color
R_{YB}	171, 80, 145
Decimal	11227281
CIE _{Lab}	47.55, 45.49, -18.61
CIE _{LCh}	48, 49.144, 337.753
Yxy	16.4396, 0.3546, 0.2353
Android (android.graphics.Color)	4289417361 (0xFFAB5091)
YUV	114.6190, 14.9778, 49.4461
Hunter-Lab	40.5458, 38.1112, -13.5208

Details

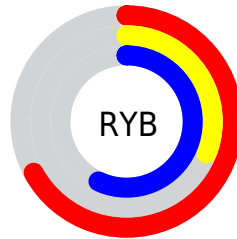
The XYZ color **24.7741, 16.4396, 28.6555** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **20.4735, 31.8725, 18.7100**, and the grayscale version is **16.1302, 16.9702, 18.4806**.

A 20% lighter version of the original color is **50.6912, 37.3926, 58.5786**, and **9.5922, 5.2599, 11.0994** is the 20% darker color. If you saturate the color by 10%, you get **23.3090, 14.0993, 26.3482**, and if you desaturate by 10%, it is **26.5750, 19.4251, 31.1550**.

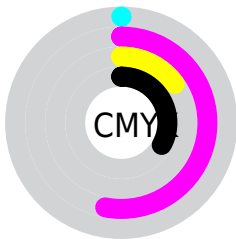
Distribution



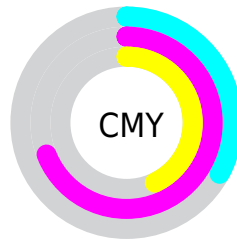
- Red (67%)
- Green (31%)
- Blue (57%)



- Red (67%)
- Yellow (31%)
- Blue (57%)



- Cyan (0%)
- Magenta (53%)
- Yellow (15%)
- Black (33%)




- Cyan (33%)
- Magenta (69%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7741, 16.4396, 28.6555 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 24.7741, 16.4396, 28.6555 by changing the saturation by 10% instead.


 24.7741, 16.4396,
28.6555


 24.7741, 16.4396,
28.6555


269.0795,
231.9219, 309.5959


 16.0367, 9.8358,
18.5770


 50.7360, 37.3597,
58.5649

 9.6411, 5.2902,
11.1913


 68.6913, 52.4448,
79.2330


 5.2221, 2.4185,
6.0799

 90.4498, 71.1257,
104.2680

 2.4142, 0.8354,
2.8242

 116.3770, 93.7868,
134.0884

 0.8522, 0.0000,
1.0056

 146.8382,
120.8126, 169.1129

 0.0000, 0.0000,
0.0000

182.1988,

152.5875, 209.7600

222.8241,
189.4958, 256.4481

■ 24.7741, 16.4396,
28.6555

■ 24.7741, 16.4396,
28.6555

■ 23.3090, 14.0993,
26.3482

■ 26.5750, 19.4251,
31.1550

■ 22.1534, 12.3525,
24.2228

■ 28.7325, 23.0978,
33.8542

■ 21.2792, 11.1432,
22.2692

■ 31.2674, 27.4988,
36.7611

■ 20.6524, 10.4038,
20.4750

■ 34.1984, 32.6652,
39.8829

■ 20.3163, 10.0666,
19.3304

■ 37.5431, 38.6316,
43.2263

■ 41.3178, 45.4307,
46.7976

■ 45.5380, 53.0931,
50.6031

■ 50.2184, 61.6478,
54.6484

■ 55.3732, 71.1228,
58.9391

Harmonies

Analogous

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



21.3612, 16.4396, 44.4971



24.7741, 16.4396, 28.6555



25.5283, 16.4396, 14.8431

Triad

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



24.7741, 16.4396, 28.6555



14.5179, 16.4396, 3.0692



9.8743, 16.4396, 37.0685

Complementary

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



24.7741, 16.4396, 28.6555



20.4735, 31.8725, 18.7100

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.



8.6855, 16.4396, 21.3501



24.7741, 16.4396, 28.6555



11.0209, 16.4396, 4.8110

Square

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



24.7741, 16.4396, 28.6555



19.0307, 16.4396, 3.5806



9.0620, 16.4396, 10.2416



12.6526, 16.4396, 50.7306

Rectangle

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



24.7741, 16.4396, 28.6555



24.3127, 16.4396, 8.8631



9.0620, 16.4396, 10.2416



9.3016, 16.4396, 31.6224

Sweetspot

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



24.7746, 16.4404, 28.6558



59.5587, 55.5118, 69.6700



16.1383, 11.7295, 39.9418



13.0458, 11.9628, 15.2868



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



24.7746, 16.4404, 28.6558



41.3065, 24.5714, 46.4331



21.9505, 15.3107, 13.7842



8.2380, 8.1085, 9.5642



15.3389, 7.5981, 14.6959



0.4487, 0.2202, 0.5246

Inverse Universe

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



24.7746, 16.4404, 28.6558



41.3065, 24.5714, 46.4331



23.4808, 33.0754, 34.5462



8.2380, 8.1085, 9.5642



15.3389, 7.5981, 14.6959



0.4487, 0.2202, 0.5246

Previews

White Background



This preview shows how the XYZ color 24.7741, 16.4396, 28.6555 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 24.7741, 16.4396, 28.6555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

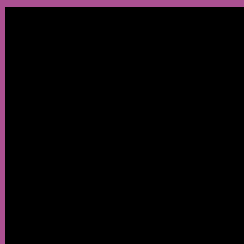
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.7741, 16.4396, 28.6555

Background



This preview shows how black text looks on a background with the XYZ color 24.7741, 16.4396, 28.6555.



This preview shows how white text looks on a background with the XYZ color 24.7741, 16.4396,

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

24.7741, 16.4396, 28.6555

Protanopia

17.4620, 16.6131, 39.8224

Deuteranopia

16.9736, 16.6418, 27.1285



Tritanopia

21.6246, 16.4522, 13.3451

Trichromacy



Original Color

24.7741, 16.4396, 28.6555

Protanomaly

18.9284, 15.7900, 35.3078

Deuteranomaly

19.1125, 16.0539, 27.6826

Tritanomaly

22.5939, 16.3561, 17.8858

Monochromacy



Original Color

24.7741, 16.4396, 28.6555

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

18.5089, 16.1600, 21.8823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7741, 16.4396, 28.6555 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(171, 80, 145)` looks like.

```
.text, #text, p{  
    color:rgb(171, 80, 145)  
}
```

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(171, 80, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 80, 145) }
```

Border

The CSS property to change the border of an element to XYZ 24.7741, 16.4396, 28.6555 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(171, 80, 145) }
```


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

```
.border{ border-color:rgb(171, 80, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 80, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 80, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 80, 145);  
box-shadow:4px 4px 4px 4px rgb(171, 80,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7741, 16.4396, 28.6555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 80, 145) }
```

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

```
.background{ background-color: rgb(171, 80,  
145) }
```

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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