

Converting Colors

XYZ(27.6286, 12.3894, 17.6866)

Have a look what the booklet for
XYZ(27.6286, 12.3894, 17.6866)
contains.

| | |
|--|----|
| XYZ(28.6645, 14.4062, 18.0995) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(28.6645, 14.4062,
18.0995)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | CE0075 |
| RGB | 206, 0, 117 |
| RGB Percent | 81%, 0%, 46% |
| CMY | 0.1922, 0.9998, 0.5412 |
| CMYK | 0.00, 1.00, 0.43, 0.19 |
| HSL | 326°, 100%, 40% |
| HSV | 326°, 100%, 81% |
| XYZ | 28.6645, 14.4062, 18.0995 |
| YIQ | 74.9320, 85.2190, 80.0590 |

Conversions

Conversions Part 2

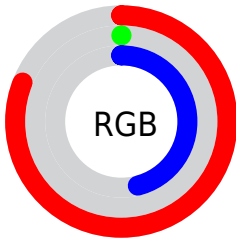
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 206, 0, 117 |
| Decimal | 13500533 |
| CIELab | 44.81, 73.19, -5.12 |
| CIElCh | 45, 73.371, 355.996 |
| Yxy | 14.4062, 0.4686, 0.2355 |
| Android (android.graphics.Color) | 4291690613 (0xFFCE0075) |
| YUV | 74.9320, 20.7395, 114.9466 |
| Hunter-Lab | 37.9555, 68.3835, -1.7042 |

Details

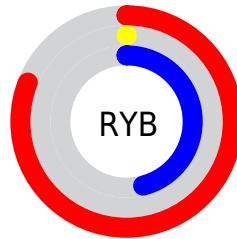
The XYZ color **28.6645, 14.4062, 18.0995** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **23.8767, 44.8648, 16.8615**, and the grayscale version is **6.6327, 6.9781, 7.5992**.

A 20% lighter version of the original color is **51.9738, 31.2693, 40.8324**, and **12.7512, 6.4494, 6.2030** is the 20% darker color. If you saturate the color by 10%, you get **28.6634, 14.4057, 18.0941**, and if you desaturate by 10%, it is **29.4747, 15.1489, 21.0760**.

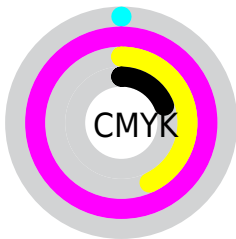
Distribution



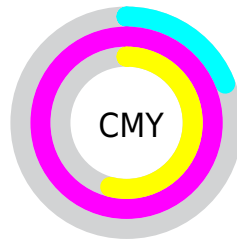
- Red (81%)
- Green (0%)
- Blue (46%)



- Red (81%)
- Yellow (0%)
- Blue (46%)



- Cyan (0%)
- Magenta (100%)
- Yellow (43%)
- Black (19%)





- Cyan (19%)
- Magenta (100%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6645, 14.4062, 18.0995 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 28.6645, 14.4062, 18.0995 by changing the saturation by 10% instead.

 28.6645, 14.4062,
18.0995


 28.6645, 14.4062,
18.0995


287.6515,
219.7434, 253.6862


 18.9702, 8.4037,
10.8513


 56.9449, 33.8081,
41.0230


 11.7526, 4.3544,
5.8540


 76.2616, 47.9762,
57.5354

 6.6464, 1.8737,
2.6892


 99.5166, 65.6351,
77.9729

 3.2863, 0.5325,
0.9380

 127.0751, 87.1690,
102.7541

 1.3069, 0.0000,
0.0000

 159.3024,
112.9624, 132.2974

 0.1884, 0.0000,
0.0000

 196.5641,

 0.0000, 0.0000,

143.3997, 167.0216

0.0000

239.2253,
178.8652, 207.3450

■ 28.6645, 14.4062,
18.0995

■ 28.6645, 14.4062,
18.0995

■ 28.6634, 14.4057,
18.0941

■ 29.4747, 15.1489,
21.0760

■ 30.6142, 16.4681,
24.4144

■ 32.1791, 18.5544,
28.1530

■ 34.2216, 21.5100,
32.3153

■ 36.7859, 25.4216,
36.9220

■ 39.9109, 30.3651,
41.9917

■ 43.6317, 36.4087,
47.5416

■ 47.9802, 43.6148,
53.5877

■ 52.9862, 52.0410,
60.1452

Harmonies

Analogous

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



25.6082, 14.4062, 42.2508



28.6645, 14.4062, 18.0995



26.8464, 14.4062, 5.2265

Triad

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



28.6645, 14.4062, 18.0995



9.2457, 14.4062, 0.7908



8.2162, 14.4062, 61.8867

Complementary

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



28.6645, 14.4062, 18.0995



23.8767, 44.8648, 16.8615

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.



5.7397, 14.4062, 35.0002



28.6645, 14.4062, 18.0995



6.2012, 14.4062, 3.5365

Square

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



28.6645, 14.4062, 18.0995



14.5113, 14.4062, 0.2843



5.1270, 14.4062, 13.4970



12.9054, 14.4062, 76.8069

Rectangle

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



28.6645, 14.4062, 18.0995



23.3350, 14.4062, 1.9214



5.1270, 14.4062, 13.4970



7.1572, 14.4062, 53.2973

Sweetspot

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



28.6649, 14.4070, 18.0997



70.4372, 58.5710, 76.6598



14.9656, 6.4288, 58.8445



14.5033, 11.6005, 15.5689



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



28.6649, 14.4070, 18.0997



46.3361, 23.2984, 28.7656



25.5568, 13.1638, 1.7326



11.4747, 11.3186, 13.0345



17.6995, 8.8904, 11.4024



0.9507, 0.4737, 0.7864

Inverse Universe

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



28.6649, 14.4070, 18.0997



46.3361, 23.2984, 28.7656



31.2394, 47.8098, 55.6329



11.4747, 11.3186, 13.0345



17.6995, 8.8904, 11.4024



0.9507, 0.4737, 0.7864

Previews

White Background



This preview shows how the XYZ color 28.6645, 14.4062, 18.0995 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 28.6645, 14.4062, 18.0995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

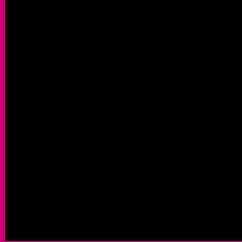
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.6645, 14.4062, 18.0995

Background



This preview shows how black text looks on a background with the XYZ color 28.6645, 14.4062, 18.0995.



This preview shows how white text looks on a background with the XYZ color 28.6645, 14.4062,

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

28.6645, 14.4062, 18.0995

Protanopia

16.0597, 15.1137, 39.1166

Deuteranopia

15.2296, 15.0374, 16.2872



Tritanopia

25.8472, 14.7158, 4.1675

Trichromacy



Original Color

28.6645, 14.4062, 18.0995



Protanomaly

16.6379, 10.9301, 29.6666



Deuteranomaly

17.4541, 11.6460, 16.3669



Tritanomaly

26.2377, 14.0431, 7.4586

Monochromacy



Original Color

28.6645, 14.4062, 18.0995



Achromatopsia

6.6877, 7.0360, 7.6622



Achromatomaly

11.0708, 7.0630, 10.4527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6645, 14.4062, 18.0995 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(206, 0, 117)` looks like.

```
.text, #text, p{  
    color:rgb(206, 0, 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(206, 0, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 0, 117) }
```

Border

The CSS property to change the border of an element to XYZ 28.6645, 14.4062, 18.0995 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(206, 0, 117) }
```


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

```
.border{ border-color:rgb(206, 0, 117) }
```

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

Here you see how a box with a 4 pixel rgb(206, 0, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 0, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 0, 117);  
box-shadow:4px 4px 4px 4px rgb(206, 0,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6645, 14.4062, 18.0995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 0, 117) }
```

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

```
.background{ background-color: rgb(206, 0,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor