

Converting Colors

XYZ(32.9478, 14.9002, 19.8113)

Have a look what the booklet for
XYZ(32.9478, 14.9002, 19.8113)
contains.

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Color

**XYZ(34.0066, 17.1180,
20.2507)**

Conversions

Conversions Part 1

Format	Color
Hex	DF007B
RGB	223, 0, 123
RGB Percent	87%, 0%, 48%
CMY	0.1255, 0.9998, 0.5176
CMYK	0.00, 1.00, 0.45, 0.13
HSL	327°, 100%, 44%
HSV	327°, 100%, 87%
XYZ	34.0066, 17.1180, 20.2507
YIQ	80.6990, 93.4250, 85.5290

Conversions

Conversions Part 2

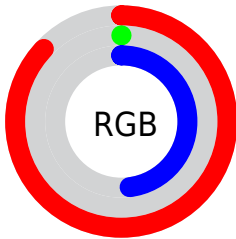
Format	Color
R_{YB}	223, 0, 123
Decimal	14614651
CIE Lab	48.41, 77.34, -3.11
CIE LCh	48, 77.399, 357.695
Yxy	17.1180, 0.4764, 0.2398
Android (android.graphics.Color)	4292804731 (0xFFDF007B)
YUV	80.6990, 20.8544, 124.7980
Hunter-Lab	41.3739, 74.3108, -0.0581

Details

The XYZ color **34.0066, 17.1180, 20.2507** 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 **28.6906, 53.6966, 20.9201**, and the grayscale version is **7.7140, 8.1157, 8.8380**.

A 20% lighter version of the original color is **52.8922, 32.1838, 43.9818**, and **15.9679, 8.0851, 7.3756** is the 20% darker color. If you saturate the color by 10%, you get **34.0053, 17.1175, 20.2442**, and if you desaturate by 10%, it is **34.9588, 17.9686, 23.8169**.

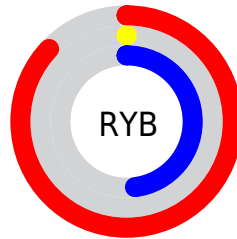
Distribution



Red (87%)

Green (0%)

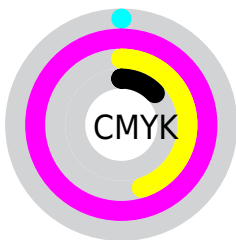
Blue (48%)



Red (87%)

Yellow (0%)

Blue (48%)

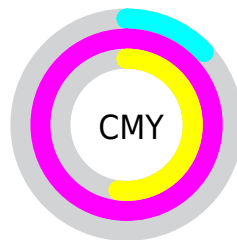


Cyan (0%)

Magenta (100%)

Yellow (45%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.0066, 17.1180, 20.2507 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 34.0066, 17.1180, 20.2507 by changing the saturation by 10% instead.


 34.0066, 17.1180,
20.2507


 34.0066, 17.1180,
20.2507


311.7469,
235.8515, 265.9181


 23.0616, 10.3187,
12.3915


 65.2882, 38.5285,
44.7016


 14.7599, 5.6107,
6.8851


 86.3554, 53.9085,
62.1304


 8.7363, 2.6099,
3.3130


 111.5274, 72.9175,
83.5861

 4.6253, 0.9316,
1.2566

 141.1696, 95.9399,
109.4874

 2.0616, 0.0000,
0.0258

 175.6473,
123.3601, 140.2526

 0.6682, 0.0000,
0.0000

 215.3258,

 0.0000, 0.0000,

155.5625, 176.3005

0.0000

260.5706,
192.9315, 218.0495

■ 34.0066, 17.1180,
20.2507

■ 34.0066, 17.1180,
20.2507

■ 34.0053, 17.1175,
20.2442

■ 34.9588, 17.9686,
23.8169

■ 36.3145, 19.5210,
27.8423

■ 38.1856, 21.9958,
32.3727

■ 40.6358, 25.5181,
37.4380

■ 43.7193, 30.1936,
43.0640

■ 47.4835, 36.1146,
49.2745

■ 51.9714, 43.3643,
56.0913

■ 57.2218, 52.0185,
63.5346

■ 63.2711, 62.1473,
71.6236

Harmonies

Analogous

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



30.6950, 17.1180, 48.1884



34.0066, 17.1180, 20.2507



31.5384, 17.1180, 5.7596

Triad

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



34.0066, 17.1180, 20.2507



10.7298, 17.1180, 1.0460



10.0273, 17.1180, 74.7939

Complementary

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



34.0066, 17.1180, 20.2507



28.6906, 53.6966, 20.9201

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.



6.9507, 17.1180, 43.2521



34.0066, 17.1180, 20.2507



7.2658, 17.1180, 4.6054

Square

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



34.0066, 17.1180, 20.2507



16.8237, 17.1180, 0.4283



6.1091, 17.1180, 17.1144



15.7289, 17.1180, 90.9942

Rectangle

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



34.0066, 17.1180, 20.2507



27.2558, 17.1180, 2.1202



6.1091, 17.1180, 17.1144



8.7221, 17.1180, 64.8713

Sweetspot

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



34.0071, 17.1190, 20.2510



70.2697, 58.5040, 75.7779



18.2132, 7.8513, 70.3675



14.4635, 11.5847, 15.3597



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.



34.0071, 17.1190, 20.2510



46.0201, 23.1720, 27.1015



30.5175, 15.7232, 1.8749



14.0220, 13.8264, 15.8859



20.0524, 10.0880, 12.2077



1.4349, 0.7172, 1.0828

Inverse Universe

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



34.0071, 17.1190, 20.2510



46.0201, 23.1720, 27.1015



37.7902, 57.3364, 68.8377



14.0220, 13.8264, 15.8859



20.0524, 10.0880, 12.2077



1.4349, 0.7172, 1.0828

Previews

White Background



This preview shows how the XYZ color 34.0066, 17.1180, 20.2507 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 34.0066, 17.1180, 20.2507 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 34.0066, 17.1180, 20.2507

Background



This preview shows how black text looks on a background with the XYZ color 34.0066, 17.1180, 20.2507.



This preview shows how white text looks on a background with the XYZ color 34.0066, 17.1180,

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

34.0066, 17.1180, 20.2507

Protanopia

18.7859, 17.8687, 44.0539

Deuteranopia

17.9957, 17.6923, 18.3861



Tritanopia

30.8875, 17.4870, 4.7650

Trichromacy



Original Color

34.0066, 17.1180, 20.2507



Protanomaly

19.6237, 12.9502, 33.3636



Deuteranomaly

20.6325, 13.7056, 18.3876



Tritanomaly

31.3447, 16.7314, 8.5986

Monochromacy



Original Color

34.0066, 17.1180, 20.2507



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

13.0122, 8.2871, 11.9801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0066, 17.1180, 20.2507 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(223, 0, 123)` looks like.

```
.text, #text, p{  
    color:rgb(223, 0, 123)  
}
```

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(223, 0, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 0, 123) }
```

Border

The CSS property to change the border of an element to XYZ 34.0066, 17.1180, 20.2507 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(223, 0, 123) }
```


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

```
.border{ border-color:rgb(223, 0, 123) }
```

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

Here you see how a box with a 4 pixel rgb(223, 0, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 0, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 0, 123);  
box-shadow:4px 4px 4px 4px rgb(223, 0,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0066, 17.1180, 20.2507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 0, 123) }
```

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

```
.background{ background-color: rgb(223, 0,  
123) }
```

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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