

Converting Colors

XYZ(27.8283, 7.0707, 10.7592)

Have a look what the booklet for
XYZ(27.8283, 7.0707, 10.7592)
contains.

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Color

**XYZ(32.4970, 16.5142,
12.3012)**

Conversions

Conversions Part 1

Format	Color
Hex	DF005F
RGB	223, 0, 95
RGB Percent	87%, 0%, 37%
CMY	0.1255, 0.9998, 0.6275
CMYK	0.00, 1.00, 0.57, 0.13
HSL	334°, 100%, 44%
HSV	334°, 100%, 87%
XYZ	32.4970, 16.5142, 12.3012
YIQ	77.5070, 102.4130, 76.8210

Conversions

Conversions Part 2

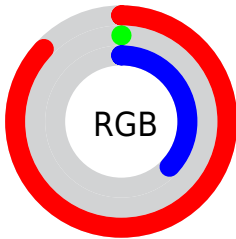
Format	Color
R_{YB}	223, 0, 95
Decimal	14614623
CIE _{Lab}	47.64, 75.31, 13.04
CIE _{LCh}	48, 76.429, 9.826
Yxy	16.5142, 0.5300, 0.2693
Android (android.graphics.Color)	4292804703 (0xFFDF005F)
YUV	77.5070, 8.6240, 127.5974
Hunter-Lab	40.6377, 71.6264, 10.4990

Details

The XYZ color **32.4970, 16.5142, 12.3012** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **30.2877, 54.3353, 29.3303**, and the grayscale version is **7.1247, 7.4957, 8.1628**.

A 20% lighter version of the original color is **50.1780, 30.9586, 30.1190**, and **15.0729, 7.7039, 3.7102** is the 20% darker color. If you saturate the color by 10%, you get **32.4956, 16.5136, 12.2945**, and if you desaturate by 10%, it is **33.4212, 17.3537, 15.7205**.

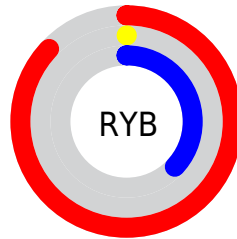
Distribution



Red (87%)

Green (0%)

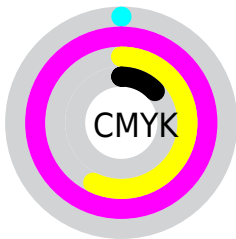
Blue (37%)



Red (87%)

Yellow (0%)

Blue (37%)

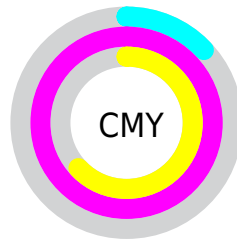


Cyan (0%)

Magenta (100%)

Yellow (57%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4970, 16.5142, 12.3012 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 32.4970, 16.5142, 12.3012 by changing the saturation by 10% instead.

 32.4970, 16.5142,
12.3012


 32.4970, 16.5142,
12.3012


305.0823,
232.3571, 217.4374


 21.8988, 9.8887,
6.8241


 62.9494, 37.4886,
30.7151


 13.8987, 5.3253,
3.2756


 83.5342, 52.6063,
44.4889


 8.1315, 2.4393,
1.2370


 108.1787, 71.3236,
61.8655

 4.2317, 0.8460,
0.0093

 137.2481, 94.0249,
83.2633

 1.8340, 0.0000,
0.0000

 171.1078,
121.0944, 109.1008

 0.5381, 0.0000,
0.0000

 210.1232,

 0.0000, 0.0000,

152.9167, 139.7967

0.0000

254.6595,
189.8761, 175.7694

■ 32.4970, 16.5142,
12.3012

■ 32.4970, 16.5142,
12.3012

■ 32.4956, 16.5136,
12.2945

■ 33.4212, 17.3537,
15.7205

■ 34.7834, 18.9088,
19.7791

■ 36.6974, 21.4009,
24.5352

■ 39.2292, 24.9561,
30.0297

■ 42.4351, 29.6807,
36.2996

■ 46.3644, 35.6679,
43.3784

■ 51.0616, 43.0016,
51.2975

■ 56.5677, 51.7582,
60.0863

■ 62.9204, 62.0086,
69.7725

Harmonies

Analogous

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



31.5122, 16.5142, 34.3016



32.4970, 16.5142, 12.3012



28.0818, 16.5142, 3.0557

Triad

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



32.4970, 16.5142, 12.3012



8.7039, 16.5142, 1.8086



11.5924, 16.5142, 81.3330

Complementary

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



32.4970, 16.5142, 12.3012



30.2877, 54.3353, 29.3303

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.



7.6226, 16.5142, 54.3764



32.4970, 16.5142, 12.3012



6.3214, 16.5142, 7.8864

Square

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



32.4970, 16.5142, 12.3012



13.5622, 16.5142, 0.4777



5.9932, 16.5142, 25.1854



18.0432, 16.5142, 86.2256

Rectangle

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



32.4970, 16.5142, 12.3012



23.2572, 16.5142, 1.1323



5.9932, 16.5142, 25.1854



9.9823, 16.5142, 73.9487

Sweetspot

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



32.4974, 16.5152, 12.3014



69.0280, 58.0073, 69.2390



21.9813, 9.7939, 70.5437



14.1705, 11.4674, 13.8166



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.



32.4974, 16.5152, 12.3014



43.9788, 22.3555, 16.3525



30.6012, 16.0272, 1.4821



13.9483, 13.7969, 15.4978



19.1609, 9.7314, 7.5133



1.3722, 0.6922, 0.7531

Inverse Universe

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



32.4974, 16.5152, 12.3014



43.9788, 22.3555, 16.3525



35.9090, 50.5062, 77.6679



13.9483, 13.7969, 15.4978



19.1609, 9.7314, 7.5133



1.3722, 0.6922, 0.7531

Previews

White Background



This preview shows how the XYZ color 32.4970, 16.5142, 12.3012 looks on a white background.

Color Contrast Check

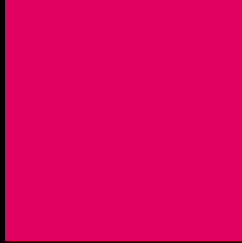
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.4970, 16.5142, 12.3012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

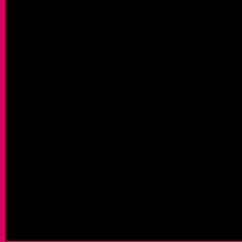
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.4970, 16.5142, 12.3012

Background



This preview shows how black text looks on a background with the XYZ color 32.4970, 16.5142, 12.3012.

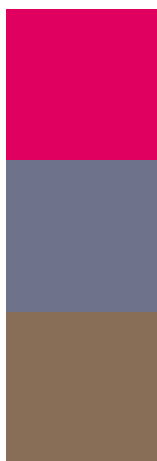


This preview shows how white text looks on a background with the XYZ color 32.4970, 16.5142,

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

32.4970, 16.5142, 12.3012

Protanopia

17.0352, 17.1846, 26.4639

Deuteranopia

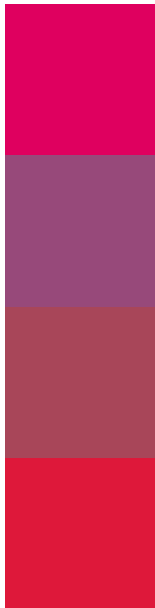
17.4090, 17.0580, 11.1791



Tritanopia

30.8458, 16.8920, 3.3850

Trichromacy



Original Color

32.4970, 16.5142, 12.3012

Protanomaly

18.6579, 12.7495, 19.8899

Deuteranomaly

20.1418, 13.4264, 10.9812

Tritanomaly

31.2146, 16.4884, 5.5404

Monochromacy



Original Color

32.4970, 16.5142, 12.3012

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

12.1009, 7.7466, 9.2450

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4970, 16.5142, 12.3012 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, 95)` looks like.

```
.text, #text, p{  
    color:rgb(223, 0, 95)  
}
```

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, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 0, 95) }
```

Border

The CSS property to change the border of an element to XYZ 32.4970, 16.5142, 12.3012 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, 95) }
```


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

```
.border{ border-color:rgb(223, 0, 95) }
```

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, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 0, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 0, 95);  
box-shadow:4px 4px 4px 4px rgb(223, 0, 95)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.4970, 16.5142, 12.3012 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, 95) }
```

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

```
.background{ background-color: rgb(223, 0,  
95) }
```

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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