

Converting Colors

XYZ(32.4479, 16.5446, 9.7821)

Have a look what the booklet for
XYZ(32.4479, 16.5446, 9.7821)
contains.

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Color

**XYZ(32.3407, 16.4874,
9.8653)**

Conversions

Conversions Part 1

Format	Color
Hex	E00054
RGB	224, 0, 84
RGB Percent	88%, 0%, 33%
CMY	0.1216, 0.9998, 0.6706
CMYK	0.00, 1.00, 0.62, 0.12
HSL	338°, 100%, 44%
HSV	338°, 100%, 88%
XYZ	32.3407, 16.4874, 9.8653
YIQ	76.5520, 106.5400, 73.6120

Conversions

Conversions Part 2

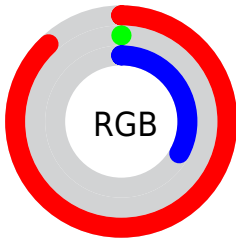
Format	Color
R _Y B	224, 0, 84
Decimal	14680148
CIE Lab	47.61, 74.90, 19.84
CIE LCh	48, 77.478, 14.837
Yxy	16.4874, 0.5510, 0.2809
Android (android.graphics.Color)	4292870228 (0xFFE00054)
YUV	76.5520, 3.6719, 129.3119
Hunter-Lab	40.6047, 71.1130, 14.0182

Details

The XYZ color **32.3407, 16.4874, 9.8653** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **31.3935, 55.2063, 33.8320**, and the grayscale version is **6.9559, 7.3181, 7.9695**.

A 20% lighter version of the original color is **49.2147, 30.4356, 25.4711**, and **15.0809, 7.7303, 2.7047** is the 20% darker color. If you saturate the color by 10%, you get **32.3393, 16.4868, 9.8587**, and if you desaturate by 10%, it is **33.2407, 17.3203, 13.1473**.

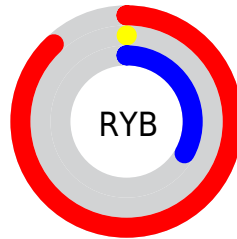
Distribution



Red (88%)

Green (0%)

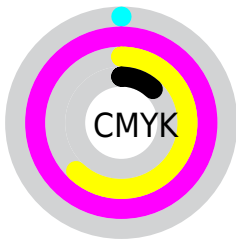
Blue (33%)



Red (88%)

Yellow (0%)

Blue (33%)

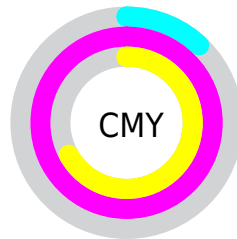


Cyan (0%)

Magenta (100%)

Yellow (62%)

Black (12%)



Cyan (12%)


Magenta (100%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3407, 16.4874, 9.8653 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 32.3407, 16.4874, 9.8653 by changing the saturation by 10% instead.


 32.3407, 16.4874,
9.8653


 32.3407, 16.4874,
9.8653


304.3861,
232.2008, 200.1577


 21.7787, 9.8697,
5.2053


 62.7064, 37.4423,
26.1457


 13.8101, 5.3127,
2.3074


 83.2408, 52.5483,
38.6031

 8.0695, 2.4319,
0.7353


 107.8300, 71.2525,
54.4968

 4.1916, 0.8422,
0.0000

 136.8395, 93.9394,
74.2453

 1.8111, 0.0000,
0.0000

 170.6344,
120.9932, 98.2671

 0.5243, 0.0000,
0.0000

 209.5803,

 0.0000, 0.0000,

152.7985, 126.9807

0.0000

254.0424,
189.7396, 160.8048

■ 32.3407, 16.4874,
9.8653

■ 32.3407, 16.4874,
9.8653

■ 32.3393, 16.4868,
9.8587

■ 33.2407, 17.3203,
13.1473

■ 34.5980, 18.8827,
17.1523

■ 36.5290, 21.3981,
21.9469

■ 39.1017, 24.9947,
27.5794

■ 42.3742, 29.7805,
34.0937

■ 46.3976, 35.8503,
41.5295

■ 51.2179, 43.2892,
49.9242

■ 56.8775, 52.1749,
59.3127

■ 63.4155, 62.5794,
69.7281

Harmonies

Analogous

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



32.3090, 16.4874, 29.8564



32.3407, 16.4874, 9.8653



27.1055, 16.4874, 2.2692

Triad

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



32.3407, 16.4874, 9.8653



8.0459, 16.4874, 2.2309



12.4463, 16.4874, 85.4083

Complementary

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



32.3407, 16.4874, 9.8653



31.3935, 55.2063, 33.8320

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.



8.0117, 16.4874, 60.3620



32.3407, 16.4874, 9.8653



6.0275, 16.4874, 9.7257

Square

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



32.3407, 16.4874, 9.8653



12.5091, 16.4874, 0.5025



6.0171, 16.4874, 29.5638



19.3249, 16.4874, 85.5669

Rectangle

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



32.3407, 16.4874, 9.8653



22.0256, 16.4874, 0.8359



6.0171, 16.4874, 29.5638



10.6735, 16.4874, 79.1034

Sweetspot

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



32.3411, 16.4884, 9.8655



68.5442, 57.8138, 66.6912



23.9616, 10.7992, 71.3422



14.0571, 11.4221, 13.2196



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.



32.3411, 16.4884, 9.8655



43.3324, 22.0970, 12.9485



31.1140, 16.5941, 1.5646



13.9187, 13.7851, 15.3419



18.8753, 9.6171, 6.0089



1.3508, 0.6836, 0.6400

Inverse Universe

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



32.3411, 16.4884, 9.8655



43.3324, 22.0970, 12.9485



33.6200, 45.7119, 77.5719



13.9187, 13.7851, 15.3419



18.8753, 9.6171, 6.0089



1.3508, 0.6836, 0.6400

Previews

White Background



This preview shows how the XYZ color 32.3407, 16.4874, 9.8653 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 32.3407, 16.4874, 9.8653 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 32.3407, 16.4874, 9.8653

Background



This preview shows how black text looks on a background with the XYZ color 32.3407, 16.4874, 9.8653.



This preview shows how white text looks on a background with the XYZ color 32.3407, 16.4874,

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

32.3407, 16.4874, 9.8653

Protanopia

16.6627, 17.1095, 21.1631

Deuteranopia

17.2932, 17.0495, 8.8580



Tritanopia

30.9436, 16.7726, 2.9028

Trichromacy



Original Color

32.3407, 16.4874, 9.8653



Protanomaly

18.6604, 12.8378, 15.9624



Deuteranomaly

19.9275, 13.3654, 8.7372



Tritanomaly

31.2941, 16.4921, 4.5515

Monochromacy



Original Color

32.3407, 16.4874, 9.8653



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

11.7522, 7.5216, 8.4218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3407, 16.4874, 9.8653 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(224, 0, 84)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 84)  
}
```

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(224, 0, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 84) }
```

Border

The CSS property to change the border of an element to XYZ 32.3407, 16.4874, 9.8653 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(224, 0, 84) }
```


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

```
.border{ border-color:rgb(224, 0, 84) }
```

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

Here you see how a box with a 4 pixel rgb(224, 0, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 84);  
box-shadow:4px 4px 4px 4px rgb(224, 0, 84)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.3407, 16.4874, 9.8653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 84) }
```

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

```
.background{ background-color: rgb(224, 0,  
84) }
```

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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