

Converting Colors

XYZ(32.3983, 16.5550, 8.1528)

Have a look what the booklet for
XYZ(32.3983, 16.5550, 8.1528)
contains.

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Color

**XYZ(32.3213, 16.5156,
8.1409)**

Conversions

Conversions Part 1

Format	Color
Hex	E1004B
RGB	225, 0, 75
RGB Percent	88%, 0%, 29%
CMY	0.1177, 0.9998, 0.7059
CMYK	0.00, 1.00, 0.67, 0.12
HSL	340°, 100%, 44%
HSV	340°, 100%, 88%
XYZ	32.3213, 16.5156, 8.1409
YIQ	75.8250, 110.0250, 71.0250

Conversions

Conversions Part 2

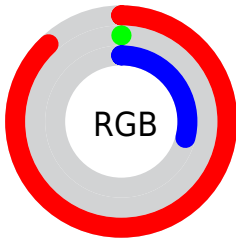
Format	Color
R_{YB}	225, 0, 75
Decimal	14745675
CIE Lab	47.64, 74.67, 25.47
CIE LCh	48, 78.895, 18.838
Yxy	16.5156, 0.5673, 0.2899
Android (android.graphics.Color)	4292935755 (0xFFE1004B)
YUV	75.8250, -0.4067, 130.8265
Hunter-Lab	40.6394, 70.8456, 16.5706

Details

The XYZ color **32.3213, 16.5156, 8.1409** 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 **32.4351, 56.0541, 37.9874**, and the grayscale version is **6.8297, 7.1854, 7.8249**.

A 20% lighter version of the original color is **48.5562, 30.1722, 22.0035**, and **14.9587, 7.6814, 2.0607** is the 20% darker color. If you saturate the color by 10%, you get **32.3198, 16.5149, 8.1342**, and if you desaturate by 10%, it is **33.1943, 17.3410, 11.2713**.

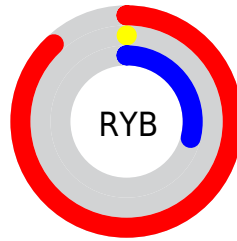
Distribution



Red (88%)

Green (0%)

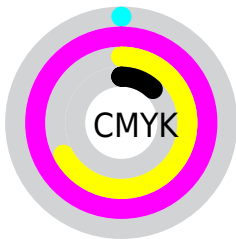
Blue (29%)



Red (88%)

Yellow (0%)

Blue (29%)

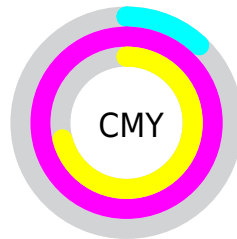


Cyan (0%)

Magenta (100%)

Yellow (67%)

Black (12%)



Cyan (12%)


Magenta (100%)


Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3213, 16.5156, 8.1409 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 32.3213, 16.5156, 8.1409 by changing the saturation by 10% instead.


 32.3213, 16.5156,
8.1409


 32.3213, 16.5156,
8.1409


304.2996,
232.3652, 186.8087

 21.7638, 9.8897,
4.0962


 62.6762, 37.4910,
22.7849

 13.7991, 5.3259,
1.6783


 83.2044, 52.6094,
34.2213


 8.0618, 2.4397,
0.3458


 107.7867, 71.3273,
48.9586

 4.1867, 0.8462,
0.0000

 136.7887, 94.0293,
67.4155

 1.8083, 0.0000,
0.0000

 170.5756,
121.0997, 90.0104

 0.5226, 0.0000,
0.0000

 209.5128,

 0.0000, 0.0000,

152.9229, 117.1618

0.0000

253.9657,
189.8833, 149.2884

■ 32.3213, 16.5156,
8.1409

■ 32.3213, 16.5156,
8.1409

■ 32.3198, 16.5149,
8.1342

■ 33.1943, 17.3410,
11.2713

■ 34.5418, 18.9085,
15.1958

■ 36.4823, 21.4445,
19.9892

■ 39.0861, 25.0788,
25.7077

■ 42.4132, 29.9214,
32.4019

■ 46.5163, 36.0683,
40.1180

■ 51.4431, 43.6061,
48.8992

■ 57.2371, 52.6138,
58.7859

■ 63.9391, 63.1643,
69.8162

Harmonies

Analogous

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



33.0868, 16.5156, 26.5850



32.3213, 16.5156, 8.1409



26.4058, 16.5156, 1.7357

Triad

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



32.3213, 16.5156, 8.1409



7.5496, 16.5156, 2.6285



13.2190, 16.5156, 89.1915

Complementary

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



32.3213, 16.5156, 8.1409



32.4351, 56.0541, 37.9874

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.



8.3642, 16.5156, 65.8428



32.3213, 16.5156, 8.1409



5.8066, 16.5156, 11.4706

Square

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



32.3213, 16.5156, 8.1409



11.7180, 16.5156, 0.5226



6.0518, 16.5156, 33.6397



20.4894, 16.5156, 85.3396

Rectangle

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



32.3213, 16.5156, 8.1409



21.1121, 16.5156, 0.5991



6.0518, 16.5156, 33.6397



11.2983, 16.5156, 83.8292

Sweetspot

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



32.3217, 16.5166, 8.1411



68.1576, 57.6592, 64.6559



26.1721, 11.9232, 72.1555



13.9669, 11.3860, 12.7446



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.



32.3217, 16.5166, 8.1411



42.8780, 21.9152, 10.5558



31.7301, 17.3649, 1.6810



13.8946, 13.7755, 15.2154



18.6728, 9.5361, 4.9428



1.3348, 0.6772, 0.5562

Inverse Universe

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



32.3217, 16.5166, 8.1411



42.8780, 21.9152, 10.5558



31.4696, 41.1934, 77.5260



13.8946, 13.7755, 15.2154



18.6728, 9.5361, 4.9428



1.3348, 0.6772, 0.5562

Previews

White Background



This preview shows how the XYZ color 32.3213, 16.5156, 8.1409 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 32.3213, 16.5156, 8.1409 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 32.3213, 16.5156, 8.1409

Background



This preview shows how black text looks on a background with the XYZ color 32.3213, 16.5156, 8.1409.



This preview shows how white text looks on a background with the XYZ color 32.3213, 16.5156,

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

32.3213, 16.5156, 8.1409

Protanopia

16.3030, 17.0120, 17.1762

Deuteranopia

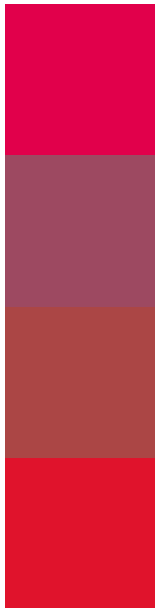
17.3453, 17.1090, 7.3892



Tritanopia

31.3912, 16.8504, 2.5752

Trichromacy



Original Color

32.3213, 16.5156, 8.1409

Protanomaly

18.4448, 12.7963, 12.8070

Deuteranomaly

20.0589, 13.4679, 7.1726

Tritanomaly

31.4280, 16.4949, 3.9103

Monochromacy



Original Color

32.3213, 16.5156, 8.1409

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

11.5674, 7.3815, 7.6526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3213, 16.5156, 8.1409 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(225, 0, 75)` looks like.

```
.text, #text, p{  
    color:rgb(225, 0, 75)  
}
```

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(225, 0, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 0, 75) }
```

Border

The CSS property to change the border of an element to XYZ 32.3213, 16.5156, 8.1409 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(225, 0, 75) }
```


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

```
.border{ border-color:rgb(225, 0, 75) }
```

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

Here you see how a box with a 4 pixel rgb(225, 0, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 0, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 0, 75);  
box-shadow:4px 4px 4px 4px rgb(225, 0, 75)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.3213, 16.5156, 8.1409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 0, 75) }
```

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

```
.background{ background-color: rgb(225, 0,  
75) }
```

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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