

Converting Colors

XYZ(32.2591, 16.4691, 8.7878)

Have a look what the booklet for
XYZ(32.2591, 16.4691, 8.7878)
contains.

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Color

**XYZ(32.1518, 16.4118,
8.8703)**

Conversions

Conversions Part 1

Format	Color
Hex	E0004F
RGB	224, 0, 79
RGB Percent	88%, 0%, 31%
CMY	0.1216, 0.9998, 0.6902
CMYK	0.00, 1.00, 0.65, 0.12
HSL	339°, 100%, 44%
HSV	339°, 100%, 88%
XYZ	32.1518, 16.4118, 8.8703
YIQ	75.9820, 108.1450, 72.0570

Conversions

Conversions Part 2

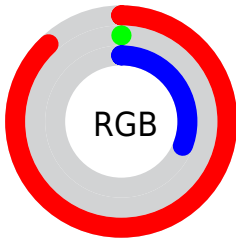
Format	Color
R_{YB}	224, 0, 79
Decimal	14680143
CIE Lab	47.51, 74.63, 22.80
CIE LCh	48, 78.039, 16.987
Yxy	16.4118, 0.5598, 0.2858
Android (android.graphics.Color)	4292870223 (0xFFE0004F)
YUV	75.9820, 1.4879, 129.8118
Hunter-Lab	40.5115, 70.7708, 15.3760

Details

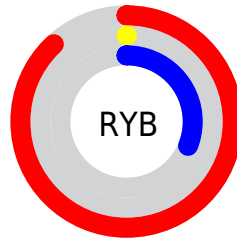
The XYZ color **32.1518, 16.4118, 8.8703** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **31.7708, 55.3573, 35.8183**, and the grayscale version is **6.8546, 7.2116, 7.8534**.

A 20% lighter version of the original color is **48.8774, 30.3007, 23.6946**, and **14.8156, 7.6010, 2.3553** is the 20% darker color. If you saturate the color by 10%, you get **32.1505, 16.4113, 8.8642**, and if you desaturate by 10%, it is **33.0341, 17.2376, 12.0593**.

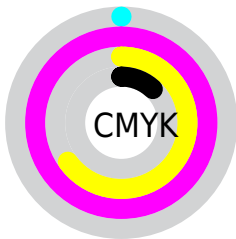
Distribution



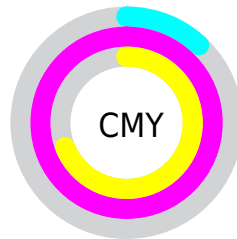
- Red (88%)
- Green (0%)
- Blue (31%)



- Red (88%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (65%)
- Black (12%)





- Cyan (12%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.1518, 16.4118, 8.8703 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 32.1518, 16.4118, 8.8703 by changing the saturation by 10% instead.


 32.1518, 16.4118,
8.8703


 32.1518, 16.4118,
8.8703


303.5432,
231.7595, 192.5897


 21.6336, 9.8160,
4.5610


 62.4126, 37.3116,
24.2215


 13.7030, 5.2771,
1.9379


 82.8858, 52.3845,
36.1004


 7.9947, 2.4108,
0.5167

 107.4082, 71.0518,
51.3397

 4.1433, 0.8314,
0.0000

 136.3449, 93.6981,
70.3578

 1.7835, 0.0000,
0.0000

 170.0614,
120.7075, 93.5734

 0.5077, 0.0000,
0.0000

 208.9231,

 0.0000, 0.0000,

152.4647, 121.4048

0.0000

253.2952,
189.3539, 154.2707

■ 32.1518, 16.4118,
8.8703

■ 32.1518, 16.4118,
8.8703

■ 32.1505, 16.4113,
8.8642

■ 33.0341, 17.2376,
12.0593

■ 34.3801, 18.7954,
16.0050

■ 36.3069, 21.3090,
20.7778

■ 38.8833, 24.9070,
26.4298

■ 42.1679, 29.6976,
33.0080

■ 46.2123, 35.7757,
40.5552

■ 51.0633, 43.2267,
49.1117

■ 56.7636, 52.1286,
58.7148

■ 63.3528, 62.5534,
69.4001

Harmonies

Analogous

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



32.5412, 16.4118, 27.9268



32.1518, 16.4118, 8.8703



26.5837, 16.4118, 1.9625

Triad

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



32.1518, 16.4118, 8.8703



7.7364, 16.4118, 2.4243



12.7838, 16.4118, 86.9254

Complementary

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



32.1518, 16.4118, 8.8703



31.7708, 55.3573, 35.8183

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.



8.1536, 16.4118, 62.8926



32.1518, 16.4118, 8.8703



5.8770, 16.4118, 10.5735

Square

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



32.1518, 16.4118, 8.8703



12.0170, 16.4118, 0.5090



6.0028, 16.4118, 31.5173



19.8301, 16.4118, 84.9714

Rectangle

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



32.1518, 16.4118, 8.8703



21.4170, 16.4118, 0.7051



6.0028, 16.4118, 31.5173



10.9433, 16.4118, 81.1461

Sweetspot

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



32.1522, 16.4128, 8.8705



68.3362, 57.7306, 65.5963



24.5906, 11.1234, 71.3717



14.0086, 11.4027, 12.9638



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.



32.1522, 16.4128, 8.8705



43.0811, 21.9964, 11.6250



31.2026, 16.7713, 1.5940



13.9058, 13.7800, 15.2741



18.7635, 9.5724, 5.4203



1.3421, 0.6801, 0.5942

Inverse Universe

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



32.1522, 16.4128, 8.8705



43.0811, 21.9964, 11.6250



32.7780, 44.0279, 77.2914



13.9058, 13.7800, 15.2741



18.7635, 9.5724, 5.4203



1.3421, 0.6801, 0.5942

Previews

White Background



This preview shows how the XYZ color 32.1518, 16.4118, 8.8703 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 32.1518, 16.4118, 8.8703 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 32.1518, 16.4118, 8.8703

Background



This preview shows how black text looks on a background with the XYZ color 32.1518, 16.4118, 8.8703.



This preview shows how white text looks on a background with the XYZ color 32.1518, 16.4118,

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

32.1518, 16.4118, 8.8703

Protanopia

16.3722, 17.0086, 18.9431

Deuteranopia

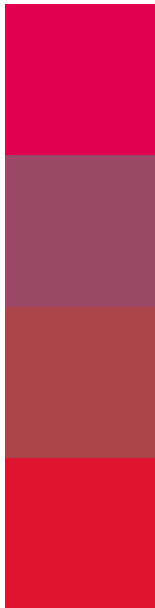
17.1903, 16.8559, 7.9777



Tritanopia

31.1697, 16.8097, 2.7642

Trichromacy



Original Color

32.1518, 16.4118, 8.8703

Protanomaly

18.3483, 12.7129, 14.3187

Deuteranomaly

19.9083, 13.2833, 7.8180

Tritanomaly

31.1947, 16.3935, 4.2094

Monochromacy



Original Color

32.1518, 16.4118, 8.8703

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

11.6024, 7.3956, 7.8371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1518, 16.4118, 8.8703 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, 79)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 79)  
}
```

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, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 79) }
```

Border

The CSS property to change the border of an element to XYZ 32.1518, 16.4118, 8.8703 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, 79) }
```


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

```
.border{ border-color:rgb(224, 0, 79) }
```

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, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 79);  
box-shadow:4px 4px 4px 4px rgb(224, 0, 79)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.1518, 16.4118, 8.8703 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, 79) }
```

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

```
.background{ background-color: rgb(224, 0,  
79) }
```

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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