

Converting Colors

XYZ(32.9561, 16.8401, 8.2922)

Have a look what the booklet for
XYZ(32.9561, 16.8401, 8.2922)
contains.

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Color

**XYZ(32.9831, 16.8527,
8.3520)**

Conversions

Conversions Part 1

Format	Color
Hex	E3004C
RGB	227, 0, 76
RGB Percent	89%, 0%, 30%
CMY	0.1098, 0.9998, 0.7020
CMYK	0.00, 1.00, 0.67, 0.11
HSL	340°, 100%, 45%
HSV	340°, 100%, 89%
XYZ	32.9831, 16.8527, 8.3520
YIQ	76.5370, 110.8960, 71.7600

Conversions

Conversions Part 2

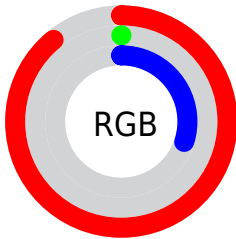
Format	Color
RYB	227, 0, 76
Decimal	14876748
CIELab	48.07, 75.18, 25.49
CIElCh	48, 79.386, 18.732
Yxy	16.8527, 0.5668, 0.2896
Android (android.graphics.Color)	4293066828 (0xFFE3004C)
YUV	76.5370, -0.2647, 131.9561
Hunter-Lab	41.0520, 71.5741, 16.6739

Details

The XYZ color **32.9831, 16.8527, 8.3520** 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 **33.0597, 57.1743, 38.5932**, and the grayscale version is **6.9596, 7.3221, 7.9737**.

A 20% lighter version of the original color is **48.7052, 30.3695, 22.3636**, and **15.3788, 7.8963, 2.1524** is the 20% darker color. If you saturate the color by 10%, you get **32.9817, 16.8521, 8.3457**, and if you desaturate by 10%, it is **33.8727, 17.6909, 11.5504**.

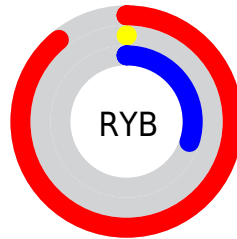
Distribution



Red (89%)

Green (0%)

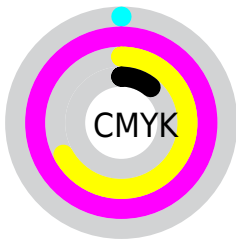
Blue (30%)



Red (89%)

Yellow (0%)

Blue (30%)

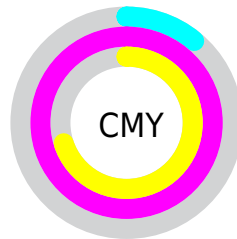


Cyan (0%)

Magenta (100%)

Yellow (67%)

Black (11%)



Cyan (11%)


Magenta (100%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9831, 16.8527, 8.3520 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 32.9831, 16.8527, 8.3520 by changing the saturation by 10% instead.


 32.9831, 16.8527,
8.3520


 32.9831, 16.8527,
8.3520


307.2399,
234.3221, 188.5039


 22.2727, 10.1295,
4.2300


 63.7040, 38.0723,
23.2031


 14.1751, 5.4849,
1.7524


 84.4452, 53.3376,
34.7693


 8.3251, 2.5345,
0.3962


 109.2607, 72.2190,
49.6541


 4.3572, 0.8939,
0.0000

 138.5158, 95.1010,
68.2758

 1.9061, 0.0000,
0.0000

 172.5759,
122.3678, 91.0531

 0.5804, 0.0000,
0.0000

 211.8064,

 0.0000, 0.0000,

154.4041, 118.4046

0.0000

256.5726,
191.5940, 150.7487

■ 32.9831, 16.8527,
8.3520

■ 32.9831, 16.8527,
8.3520

■ 32.9817, 16.8521,
8.3457

■ 33.8727, 17.6909,
11.5504

■ 35.2464, 19.2872,
15.5573

■ 37.2250, 21.8716,
20.4488

■ 39.8802, 25.5770,
26.2820

■ 43.2733, 30.5158,
33.1083

■ 47.4581, 36.7861,
40.9747

■ 52.4832, 44.4765,
49.9252

■ 58.3934, 53.6675,
60.0009

■ 65.2299, 64.4338,
71.2405

Harmonies

Analogous

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



33.7421, 16.8527, 27.2156



32.9831, 16.8527, 8.3520



26.9651, 16.8527, 1.7846

Triad

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



32.9831, 16.8527, 8.3520



7.7174, 16.8527, 2.6708



13.4677, 16.8527, 90.9107

Complementary

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



32.9831, 16.8527, 8.3520



33.0597, 57.1743, 38.5932

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.



8.5255, 16.8527, 67.0347



32.9831, 16.8527, 8.3520



5.9314, 16.8527, 11.6546

Square

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



32.9831, 16.8527, 8.3520



11.9790, 16.8527, 0.5387



6.1747, 16.8527, 34.2109



20.8759, 16.8527, 87.0920

Rectangle

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



32.9831, 16.8527, 8.3520



21.5688, 16.8527, 0.6227



6.1747, 16.8527, 34.2109



11.5119, 16.8527, 85.4117

Sweetspot

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



32.9835, 16.8538, 8.3522



68.1713, 57.6646, 64.7276



26.0003, 11.8028, 73.5805



13.9701, 11.3873, 12.7613



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.



32.9835, 16.8538, 8.3522



42.8931, 21.9212, 10.6350



32.2534, 17.4804, 1.6756



14.5749, 14.4472, 15.9621



19.2837, 9.8477, 5.1228



1.4669, 0.7445, 0.5995

Inverse Universe

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



32.9835, 16.8538, 8.3522



42.8931, 21.9212, 10.6350



32.9263, 43.6675, 79.3660



14.5749, 14.4472, 15.9621



19.2837, 9.8477, 5.1228



1.4669, 0.7445, 0.5995

Previews

White Background



This preview shows how the XYZ color 32.9831, 16.8527, 8.3520 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 32.9831, 16.8527, 8.3520 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 32.9831, 16.8527, 8.3520

Background



This preview shows how black text looks on a background with the XYZ color 32.9831, 16.8527, 8.3520.



This preview shows how white text looks on a background with the XYZ color 32.9831, 16.8527,

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

32.9831, 16.8527, 8.3520

Protanopia

16.6631, 17.3533, 17.8005

Deuteranopia

17.6523, 17.4249, 7.5872



Tritanopia

32.0518, 17.2279, 2.6729

Trichromacy



Original Color

32.9831, 16.8527, 8.3520



Protanomaly

18.7352, 12.9350, 13.3136



Deuteranomaly

20.3720, 13.7193, 7.3687



Tritanomaly

32.0878, 16.8585, 4.0454

Monochromacy



Original Color

32.9831, 16.8527, 8.3520



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

11.9536, 7.6380, 7.8654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9831, 16.8527, 8.3520 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(227, 0, 76)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 76)  
}
```

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(227, 0, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 76) }
```

Border

The CSS property to change the border of an element to XYZ 32.9831, 16.8527, 8.3520 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(227, 0, 76) }
```


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

```
.border{ border-color:rgb(227, 0, 76) }
```

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

Here you see how a box with a 4 pixel rgb(227, 0, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 76);  
box-shadow:4px 4px 4px 4px rgb(227, 0, 76)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.9831, 16.8527, 8.3520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 0, 76) }
```

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

```
.background{ background-color: rgb(227, 0,  
76) }
```

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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