

Converting Colors

XYZ(32.9034, 16.7268, 12.1808)

Have a look what the booklet for
XYZ(32.9034, 16.7268, 12.1808)
contains.

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Color

**XYZ(32.7608, 16.6554,
12.0778)**

Conversions

Conversions Part 1

Format	Color
Hex	E0005E
RGB	224, 0, 94
RGB Percent	88%, 0%, 37%
CMY	0.1216, 0.9998, 0.6314
CMYK	0.00, 1.00, 0.58, 0.12
HSL	335°, 100%, 44%
HSV	335°, 100%, 88%
XYZ	32.7608, 16.6554, 12.0778
YIQ	77.6920, 103.3300, 76.7220

Conversions

Conversions Part 2

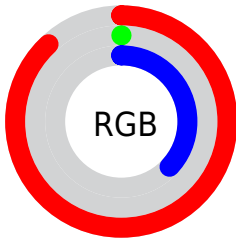
Format	Color
RYB	224, 0, 94
Decimal	14680158
CIELab	47.82, 75.47, 13.94
CIELCh	48, 76.749, 10.467
Yxy	16.6554, 0.5327, 0.2708
Android (android.graphics.Color)	4292870238 (0xFFE0005E)
YUV	77.6920, 8.0398, 128.3121
Hunter-Lab	40.8110, 71.8705, 11.0212

Details

The XYZ color **32.7608, 16.6554, 12.0778** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed red. A complement of this color would be **30.6886, 54.9243, 30.1201**, and the grayscale version is **7.1603, 7.5331, 8.2036**.

A 20% lighter version of the original color is **50.1012, 30.9279, 29.7146**, and **15.2523, 7.7988, 3.6072** is the 20% darker color. If you saturate the color by 10%, you get **32.7594, 16.6548, 12.0711**, and if you desaturate by 10%, it is **33.6899, 17.4999, 15.5129**.

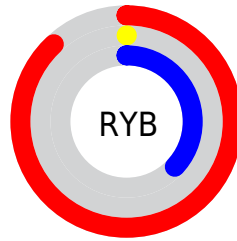
Distribution



Red (88%)

Green (0%)

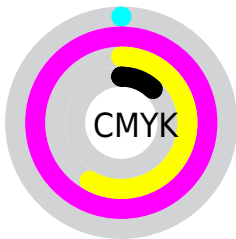
Blue (37%)



Red (88%)

Yellow (0%)

Blue (37%)

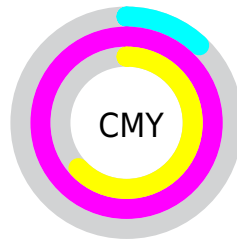


Cyan (0%)

Magenta (100%)

Yellow (58%)

Black (12%)



Cyan (12%)


Magenta (100%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7608, 16.6554, 12.0778 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 32.7608, 16.6554, 12.0778 by changing the saturation by 10% instead.


 32.7608, 16.6554,
12.0778


 32.7608, 16.6554,
12.0778


306.2546,
233.1786, 215.9158


 22.1016, 9.9891,
6.6735


 63.3591, 37.7323,
30.3032


 14.0486, 5.3917,
3.1834


 84.0289, 52.9118,
43.9615


 8.2364, 2.4789,
1.1890


 108.7663, 71.6977,
61.2081


 4.2997, 0.8660,
0.0000

 137.9366, 94.4745,
82.4616

 1.8730, 0.0000,
0.0000

 171.9053,
121.6266, 108.1406

 0.5611, 0.0000,
0.0000

 211.0376,

 0.0000, 0.0000,

153.5384, 138.6636

0.0000

255.6989,
190.5943, 174.4492

■ 32.7608, 16.6554,
12.0778

■ 32.7608, 16.6554,
12.0778

■ 32.7594, 16.6548,
12.0711

■ 33.6899, 17.4999,
15.5129

■ 35.0634, 19.0687,
19.6037

■ 36.9965, 21.5849,
24.4098

■ 39.5561, 25.1761,
29.9734

■ 42.7991, 29.9500,
36.3325

■ 46.7755, 36.0009,
43.5217

■ 51.5307, 43.4136,
51.5735

■ 57.1059, 52.2654,
60.5180

■ 63.5395, 62.6279,
70.3840

Harmonies

Analogous

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



31.8885, 16.6554, 34.0103



32.7608, 16.6554, 12.0778



28.2012, 16.6554, 2.9735

Triad

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



32.7608, 16.6554, 12.0778



8.6944, 16.6554, 1.8754



11.8009, 16.6554, 82.5548

Complementary

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



32.7608, 16.6554, 12.0778



30.6886, 54.9243, 30.1201

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.



7.7386, 16.6554, 55.5921



32.7608, 16.6554, 12.0778



6.3389, 16.6554, 8.1765

Square

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



32.7608, 16.6554, 12.0778



13.5433, 16.6554, 0.4881



6.0490, 16.6554, 25.9390



18.3616, 16.6554, 86.8923

Rectangle

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



32.7608, 16.6554, 12.0778



23.3007, 16.6554, 1.1020



6.0490, 16.6554, 25.9390



10.1565, 16.6554, 75.2387

Sweetspot

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



32.7612, 16.6564, 12.0780



68.9670, 57.9829, 68.9178



22.2006, 9.8914, 71.2597



14.1562, 11.4617, 13.7411



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.



32.7612, 16.6564, 12.0780



43.8926, 22.3211, 15.8986



30.9111, 16.1884, 1.4969



13.9446, 13.7955, 15.4783



19.1230, 9.7162, 7.3133



1.3694, 0.6911, 0.7383

Inverse Universe

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



32.7612, 16.6564, 12.0780



43.8926, 22.3211, 15.8986



36.2726, 51.0171, 78.4561



13.9446, 13.7955, 15.4783



19.1230, 9.7162, 7.3133



1.3694, 0.6911, 0.7383

Previews

White Background



This preview shows how the XYZ color 32.7608, 16.6554, 12.0778 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 32.7608, 16.6554, 12.0778 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 32.7608, 16.6554, 12.0778

Background



This preview shows how black text looks on a background with the XYZ color 32.7608, 16.6554, 12.0778.



This preview shows how white text looks on a background with the XYZ color 32.7608, 16.6554,

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

32.7608, 16.6554, 12.0778

Protanopia

17.0882, 17.2203, 26.0901

Deuteranopia

17.6407, 17.3431, 11.0121



Tritanopia

31.1358, 17.0432, 3.3177

Trichromacy



Original Color

32.7608, 16.6554, 12.0778

Protanomaly

18.7826, 12.8210, 19.5739

Deuteranomaly

20.3769, 13.6461, 10.7925

Tritanomaly

31.4966, 16.6367, 5.4220

Monochromacy



Original Color

32.7608, 16.6554, 12.0778

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 32.7608, 16.6554, 12.0778 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, 94)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 94)  
}
```

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, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 94) }
```

Border

The CSS property to change the border of an element to XYZ 32.7608, 16.6554, 12.0778 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, 94) }
```


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

```
.border{ border-color:rgb(224, 0, 94) }
```

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, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 94);  
box-shadow:4px 4px 4px 4px rgb(224, 0, 94)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.7608, 16.6554, 12.0778 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, 94) }
```

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

```
.background{ background-color: rgb(224, 0,  
94) }
```

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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