

Converting Colors

XYZ(32.2335, 15.5652, 10.3897)

Have a look what the booklet for
XYZ(32.2335, 15.5652, 10.3897)
contains.

XYZ(32.7716, 16.6957, 10.5122)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.7716, 16.6957,
10.5122)**

Conversions

Conversions Part 1

Format	Color
Hex	E10057
RGB	225, 0, 87
RGB Percent	88%, 0%, 34%
CMY	0.1177, 0.9998, 0.6588
CMYK	0.00, 1.00, 0.61, 0.12
HSL	337°, 100%, 44%
HSV	337°, 100%, 88%
XYZ	32.7716, 16.6957, 10.5122
YIQ	77.1930, 106.1730, 74.7570

Conversions

Conversions Part 2

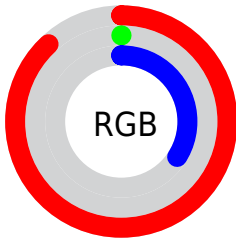
Format	Color
R_{YB}	225, 0, 87
Decimal	14745687
CIE _{Lab}	47.87, 75.29, 18.38
CIE _{LCh}	48, 77.499, 13.717
Yxy	16.6957, 0.5464, 0.2784
Android (android.graphics.Color)	4292935767 (0xFFE10057)
YUV	77.1930, 4.8349, 129.6267
Hunter-Lab	40.8604, 71.6583, 13.3486

Details

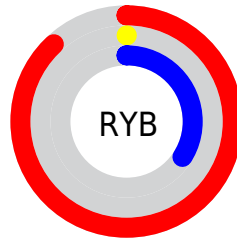
The XYZ color **32.7716, 16.6957, 10.5122** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **31.5170, 55.6869, 33.1524**, and the grayscale version is **7.0730, 7.4413, 8.1036**.

A 20% lighter version of the original color is **49.5111, 30.6919, 26.6072**, and **15.3363, 7.8558, 2.9935** is the 20% darker color. If you saturate the color by 10%, you get **32.7701, 16.6950, 10.5051**, and if you desaturate by 10%, it is **33.6881, 17.5384, 13.8712**.

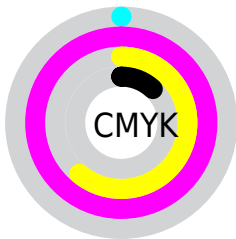
Distribution



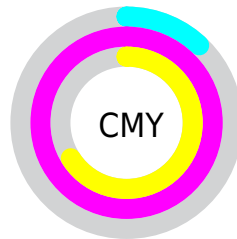
- Red (88%)
- Green (0%)
- Blue (34%)



- Red (88%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (100%)
- Yellow (61%)
- Black (12%)





- Cyan (12%)
- Magenta (100%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7716, 16.6957, 10.5122 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 32.7716, 16.6957, 10.5122 by changing the saturation by 10% instead.


 32.7716, 16.6957,
10.5122


 32.7716, 16.6957,
10.5122


306.3025,
233.4126, 204.9055


 22.1099, 10.0178,
5.6298


 63.3758, 37.8018,
27.3773


 14.0548, 5.4107,
2.5562


 84.0491, 52.9988,
40.1971


 8.2407, 2.4902,
0.8697


 108.7903, 71.8043,
56.4998


 4.3025, 0.8717,
0.0000

 137.9648, 94.6026,
76.7039

 1.8746, 0.0000,
0.0000

 171.9379,
121.7783, 101.2280

 0.5620, 0.0000,
0.0000

 211.0750,

 0.0000, 0.0000,

153.7155, 130.4906

0.0000

255.7414,
190.7989, 164.9102

■ 32.7716, 16.6957,
10.5122

■ 32.7716, 16.6957,
10.5122

■ 32.7701, 16.6950,
10.5051

■ 33.6881, 17.5384,
13.8712

■ 35.0635, 19.1171,
17.9432

■ 37.0147, 21.6573,
22.7933

■ 39.6103, 25.2883,
28.4687

■ 42.9087, 30.1192,
35.0119

■ 46.9612, 36.2458,
42.4619

■ 51.8142, 43.7541,
50.8549

■ 57.5101, 52.7224,
60.2250

■ 64.0884, 63.2234,
70.6044

Harmonies

Analogous

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



32.5205, 16.6957, 31.2017



32.7716, 16.6957, 10.5122



27.6582, 16.6957, 2.4637

Triad

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



32.7716, 16.6957, 10.5122



8.2924, 16.6957, 2.1569



12.4003, 16.6957, 85.5053

Complementary

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



32.7716, 16.6957, 10.5122



31.5170, 55.6869, 33.1524

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.



8.0202, 16.6957, 59.6927



32.7716, 16.6957, 10.5122



6.1682, 16.6957, 9.4019

Square

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



32.7716, 16.6957, 10.5122



12.8984, 16.6957, 0.5071



6.0859, 16.6957, 28.8828



19.2633, 16.6957, 86.7596

Rectangle

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



32.7716, 16.6957, 10.5122



22.5728, 16.6957, 0.9127



6.0859, 16.6957, 28.8828



10.6439, 16.6957, 78.8683

Sweetspot

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



32.7720, 16.6967, 10.5124



68.6537, 57.8576, 67.2682



23.5862, 10.5900, 72.0346



14.0828, 11.4323, 13.3545



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.



32.7720, 16.6967, 10.5124



43.4713, 22.1525, 13.6798



31.3489, 16.6026, 1.5539



13.9254, 13.7878, 15.3775



18.9368, 9.6417, 6.3332



1.3555, 0.6855, 0.6648

Inverse Universe

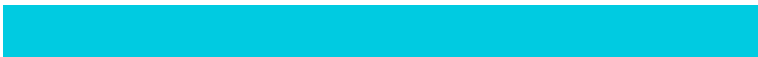
The Inverse Universe completely reimagines the original color for something new.



32.7720, 16.6967, 10.5124



43.4713, 22.1525, 13.6798



34.8303, 47.9149, 78.6463



13.9254, 13.7878, 15.3775



18.9368, 9.6417, 6.3332



1.3555, 0.6855, 0.6648

Previews

White Background



This preview shows how the XYZ color 32.7716, 16.6957, 10.5122 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 32.7716, 16.6957, 10.5122 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 32.7716, 16.6957, 10.5122

Background



This preview shows how black text looks on a background with the XYZ color 32.7716, 16.6957, 10.5122.



This preview shows how white text looks on a background with the XYZ color 32.7716, 16.6957,

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

32.7716, 16.6957, 10.5122

Protanopia

16.9009, 17.3712, 22.5409

Deuteranopia

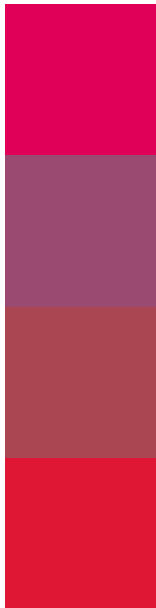
17.3967, 17.0910, 9.4032



Tritanopia

31.3070, 16.9998, 3.0701

Trichromacy



Original Color

32.7716, 16.6957, 10.5122

Protanomaly

18.6336, 12.8050, 16.8187

Deuteranomaly

20.2529, 13.5204, 9.3268

Tritanomaly

31.6700, 16.6782, 4.9182

Monochromacy



Original Color

32.7716, 16.6957, 10.5122

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

11.9436, 7.6160, 8.6251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7716, 16.6957, 10.5122 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(225, 0, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 0, 87) }
```

Border

The CSS property to change the border of an element to XYZ 32.7716, 16.6957, 10.5122 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, 87) }
```


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

```
.border{ border-color:rgb(225, 0, 87) }
```

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, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 0, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 0, 87);  
box-shadow:4px 4px 4px 4px rgb(225, 0, 87)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.7716, 16.6957, 10.5122 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, 87) }
```

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

```
.background{ background-color: rgb(225, 0,  
87) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor