

Converting Colors

XYZ(32.6937, 16.7621, 9.7003)

Have a look what the booklet for
XYZ(32.6937, 16.7621, 9.7003)
contains.

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Color

**XYZ(32.6778, 16.7623,
9.6968)**

Conversions

Conversions Part 1

Format	Color
Hex	E10653
RGB	225, 6, 83
RGB Percent	88%, 2%, 33%
CMY	0.1176, 0.9763, 0.6745
CMYK	0.00, 0.97, 0.63, 0.12
HSL	339°, 95%, 45%
HSV	339°, 97%, 88%
XYZ	32.6778, 16.7623, 9.6968
YIQ	80.2590, 105.8070, 70.3750

Conversions

Conversions Part 2

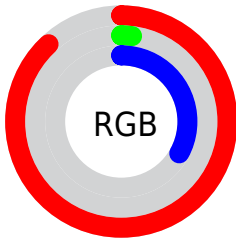
Format	Color
R_{YB}	225, 6, 83
Decimal	14747219
CIE Lab	47.96, 74.59, 20.96
CIE LCh	48, 77.477, 15.696
Yxy	16.7623, 0.5526, 0.2834
Android (android.graphics.Color)	4292937299 (0xFFE10653)
YUV	80.2590, 1.3513, 126.9379
Hunter-Lab	40.9418, 70.8221, 14.6168

Details

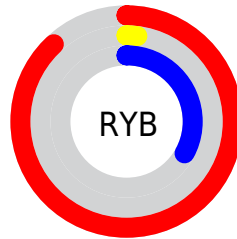
The XYZ color **32.6778, 16.7623, 9.6968** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **32.3499, 56.0289, 37.1467**, and the grayscale version is **7.6637, 8.0628, 8.7804**.

A 20% lighter version of the original color is **49.3192, 30.7546, 25.1666**, and **15.2665, 7.8279, 2.6258** is the 20% darker color. If you saturate the color by 10%, you get **32.4653, 16.5731, 8.8997**, and if you desaturate by 10%, it is **33.6650, 17.7384, 13.1042**.

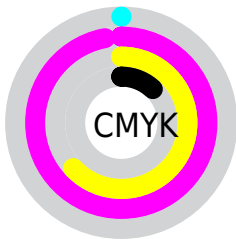
Distribution



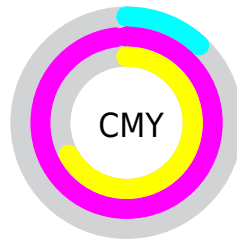
- Red (88%)
- Green (2%)
- Blue (33%)



- Red (88%)
- Yellow (2%)
- Blue (33%)



- Cyan (0%)
- Magenta (97%)
- Yellow (63%)
- Black (12%)





- Cyan (12%)
- Magenta (98%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.6778, 16.7623, 9.6968 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 32.6778, 16.7623, 9.6968 by changing the saturation by 10% instead.


 32.6778, 16.7623,
9.6968

 32.6778, 16.7623,
9.6968


305.8861,
233.7988, 198.8997


 22.0378, 10.0652,
5.0954


 63.2302, 37.9166,
25.8225


 14.0014, 5.4422,
2.2436

 83.8733, 53.1426,
38.1838

 8.2034, 2.5090,
0.6994


 108.5815, 71.9803,
53.9690

 4.2783, 0.8811,
0.0000

 137.7202, 94.8142,
73.5964

 1.8607, 0.0000,
0.0000

 171.6546,
122.0286, 97.4846

 0.5539, 0.0000,
0.0000

 210.7501,

 0.0000, 0.0000,

154.0079, 126.0522

0.0000

255.3722,
191.1365, 159.7178

■ 32.6778, 16.7623,
9.6968

■ 32.6778, 16.7623,
9.6968

■ 32.4653, 16.5731,
8.8997

■ 33.6650, 17.7384,
13.1042

■ 35.1721, 19.5534,
17.3037

■ 37.2862, 22.3716,
22.3556

■ 40.0738, 26.3163,
28.3111

■ 43.5920, 31.4931,
35.2167

■ 47.8915, 37.9950,
43.1152

■ 53.0185, 45.9063,
52.0463

■ 59.0152, 55.3039,
62.0477

■ 65.9210, 66.2594,
73.1549

Harmonies

Analogous

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



32.8144, 16.7623, 29.5010



32.6778, 16.7623, 9.6968



27.2762, 16.7623, 2.2432

Triad

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



32.6778, 16.7623, 9.6968



8.1230, 16.7623, 2.4106



12.8385, 16.7623, 86.6657

Complementary

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



32.6778, 16.7623, 9.6968



32.3499, 56.0289, 37.1467

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.



8.2711, 16.7623, 61.9442



32.6778, 16.7623, 9.6968



6.1389, 16.7623, 10.3012

Square

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



32.6778, 16.7623, 9.6968



12.5674, 16.7623, 0.5663



6.1837, 16.7623, 30.7621



19.8493, 16.7623, 85.9840

Rectangle

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



32.6778, 16.7623, 9.6968



22.1246, 16.7623, 0.8444



6.1837, 16.7623, 30.7621



11.0184, 16.7623, 80.5528

Sweetspot

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



32.6782, 16.7633, 9.6970



69.0414, 58.8350, 66.7746



25.2836, 11.5617, 72.1328



14.1418, 11.6103, 13.1897



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.



32.6782, 16.7633, 9.6970



43.0694, 21.9917, 11.5633



31.6925, 17.2371, 1.8304



13.9052, 13.7797, 15.2708



18.7583, 9.5703, 5.3928



1.3417, 0.6799, 0.5920

Inverse Universe

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



32.6782, 16.7633, 9.6970



43.0694, 21.9917, 11.5633



33.3625, 44.8677, 78.1358



13.9052, 13.7797, 15.2708



18.7583, 9.5703, 5.3928



1.3417, 0.6799, 0.5920

Previews

White Background



This preview shows how the XYZ color 32.6778, 16.7623, 9.6968 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 32.6778, 16.7623, 9.6968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

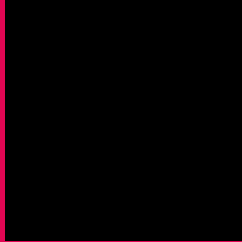
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.6778, 16.7623, 9.6968

Background



This preview shows how black text looks on a background with the XYZ color 32.6778, 16.7623, 9.6968.



This preview shows how white text looks on a background with the XYZ color 32.6778, 16.7623,

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

32.6778, 16.7623, 9.6968

Protanopia

16.7844, 17.3549, 20.5544

Deuteranopia

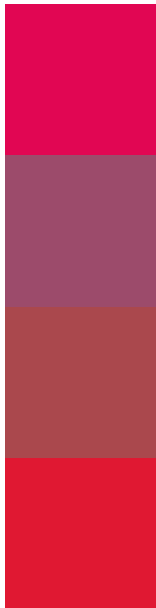
17.4260, 17.1219, 8.6897



Tritanopia

31.2508, 16.9310, 2.9172

Trichromacy



Original Color

32.6778, 16.7623, 9.6968

Protanomaly

18.8802, 13.1616, 15.4553

Deuteranomaly

20.2345, 13.7166, 8.6023

Tritanomaly

31.6428, 16.7309, 4.5792

Monochromacy



Original Color

32.6778, 16.7623, 9.6968

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

12.4312, 8.1268, 8.6980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6778, 16.7623, 9.6968 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, 6, 83)` looks like.

```
.text, #text, p{  
  color:rgb(225, 6, 83)  
}
```

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, 6, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 6, 83) }
```

Border

The CSS property to change the border of an element to XYZ 32.6778, 16.7623, 9.6968 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, 6, 83) }
```


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

```
.border{ border-color:rgb(225, 6, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 6, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 6, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 6, 83);  
box-shadow:4px 4px 4px 4px rgb(225, 6, 83)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.6778, 16.7623, 9.6968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 6, 83) }
```

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

```
.background{ background-color: rgb(225, 6,  
83) }
```

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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