

Converting Colors

XYZ(33.2614, 16.9622, 9.8999)

Have a look what the booklet for
XYZ(33.2614, 16.9622, 9.8999)
contains.

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Color

**XYZ(33.2788, 16.9710,
9.9092)**

Conversions

Conversions Part 1

Format	Color
Hex	E30054
RGB	227, 0, 84
RGB Percent	89%, 0%, 33%
CMY	0.1098, 0.9998, 0.6706
CMYK	0.00, 1.00, 0.63, 0.11
HSL	338°, 100%, 45%
HSV	338°, 100%, 89%
XYZ	33.2788, 16.9710, 9.9092
YIQ	77.4490, 108.3280, 74.2480

Conversions

Conversions Part 2

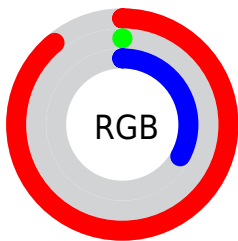
Format	Color
R_{YB}	227, 0, 84
Decimal	14876756
CIE _{Lab}	48.22, 75.58, 20.77
CIE _{LCh}	48, 78.385, 15.365
Yxy	16.9710, 0.5532, 0.2821
Android (android.graphics.Color)	4293066836 (0xFFE30054)
YUV	77.4490, 3.2296, 131.1562
Hunter-Lab	41.1959, 72.1029, 14.5756

Details

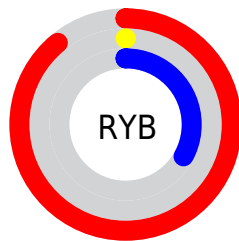
The XYZ color **33.2788, 16.9710, 9.9092** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **32.4315, 56.9230, 35.2853**, and the grayscale version is **7.1232, 7.4942, 8.1611**.

A 20% lighter version of the original color is **49.3008, 30.6077, 25.4997**, and **15.4873, 7.9397, 2.7237** is the 20% darker color. If you saturate the color by 10%, you get **33.2773, 16.9704, 9.9024**, and if you desaturate by 10%, it is **34.1989, 17.8214, 13.2679**.

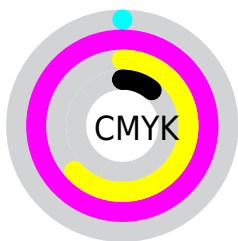
Distribution



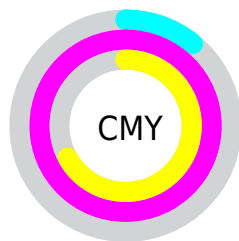
- Red (89%)
- Green (0%)
- Blue (33%)



- Red (89%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (63%)
- Black (11%)





- Cyan (11%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2788, 16.9710, 9.9092 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 33.2788, 16.9710, 9.9092 by changing the saturation by 10% instead.

 33.2788, 16.9710,
9.9092


 33.2788, 16.9710,
9.9092


308.5470,
235.0052, 200.4840


 22.5004, 10.2138,
5.2340


 64.1623, 38.2759,
26.2297


 14.3437, 5.5410,
2.3241


 84.9981, 53.5924,
38.7121


 8.4434, 2.5680,
0.7447


 109.9171, 72.5308,
54.6339

 4.4341, 0.9106,
0.0000

 139.2846, 95.4755,
74.4138

 1.9505, 0.0000,
0.0000

 173.4660,
122.8109, 98.4702

 0.6060, 0.0000,
0.0000

 212.8266,

 0.0000, 0.0000,

154.9214, 127.2216

0.0000

257.7318,
192.1914, 161.0867

■ 33.2788, 16.9710,
9.9092

■ 33.2788, 16.9710,
9.9092

■ 33.2773, 16.9704,
9.9024

■ 34.1989, 17.8214,
13.2679

■ 35.5927, 19.4257,
17.3805

■ 37.5797, 22.0135,
22.3163

■ 40.2305, 25.7173,
28.1261

■ 43.6052, 30.6487,
34.8558

■ 47.7568, 36.9058,
42.5473

■ 52.7330, 44.5766,
51.2398

■ 58.5775, 53.7414,
60.9700

■ 65.3310, 64.4746,
71.7725

Harmonies

Analogous

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



33.3520, 16.9710, 30.2730



33.2788, 16.9710, 9.9092



27.7998, 16.9710, 2.2585

Triad

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



33.2788, 16.9710, 9.9092



8.2127, 16.9710, 2.3466



12.9101, 16.9710, 88.3906

Complementary

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



33.2788, 16.9710, 9.9092



32.4315, 56.9230, 35.2853

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.



8.2915, 16.9710, 62.8312



33.2788, 16.9710, 9.9092



6.1732, 16.9710, 10.2310

Square

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



33.2788, 16.9710, 9.9092



12.7655, 16.9710, 0.5286



6.1970, 16.9710, 30.9483



20.0402, 16.9710, 88.0242

Rectangle

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



33.2788, 16.9710, 9.9092



22.5428, 16.9710, 0.8315



6.1970, 16.9710, 30.9483



11.0664, 16.9710, 82.0242

Sweetspot

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



33.2792, 16.9721, 9.9094



68.4978, 57.7952, 66.4470



24.6814, 11.1229, 73.5188



14.0463, 11.4178, 13.1625



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.



33.2792, 16.9721, 9.9094



43.2750, 22.0740, 12.6459



32.0599, 17.0934, 1.6111



14.5963, 14.4557, 16.0746



19.4592, 9.9179, 6.0471



1.4816, 0.7504, 0.6768

Inverse Universe

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



33.2792, 16.9721, 9.9094



43.2750, 22.0740, 12.6459



34.6412, 47.0973, 79.9376



14.5963, 14.4557, 16.0746



19.4592, 9.9179, 6.0471



1.4816, 0.7504, 0.6768

Previews

White Background



This preview shows how the XYZ color 33.2788, 16.9710, 9.9092 looks on a white background.

Color Contrast Check

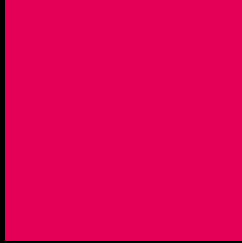
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.2788, 16.9710, 9.9092 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 33.2788, 16.9710, 9.9092

Background



This preview shows how black text looks on a background with the XYZ color 33.2788, 16.9710, 9.9092.



This preview shows how white text looks on a background with the XYZ color 33.2788, 16.9710,

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

33.2788, 16.9710, 9.9092

Protanopia

17.0230, 17.6338, 21.2454

Deuteranopia

17.7357, 17.4387, 8.9098



Tritanopia

31.8707, 17.2505, 2.9462

Trichromacy



Original Color

33.2788, 16.9710, 9.9092



Protanomaly

18.9194, 13.0696, 15.9935



Deuteranomaly

20.6416, 13.8272, 8.7887



Tritanomaly

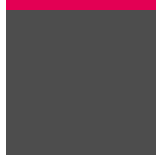
32.2267, 16.9729, 4.5952

Monochromacy



Original Color

33.2788, 16.9710, 9.9092



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

12.0620, 7.6813, 8.4363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2788, 16.9710, 9.9092 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, 84)` looks like.

```
.text, #text, p{  
  color:rgb(227, 0, 84)  
}
```

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, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 84) }
```

Border

The CSS property to change the border of an element to XYZ 33.2788, 16.9710, 9.9092 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, 84) }
```


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

```
.border{ border-color:rgb(227, 0, 84) }
```

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, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 84);  
box-shadow:4px 4px 4px 4px rgb(227, 0, 84)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.2788, 16.9710, 9.9092 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, 84) }
```

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

```
.background{ background-color: rgb(227, 0,  
84) }
```

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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