

Converting Colors

XYZ(33.7042, 20.7788, 17.2732)

Have a look what the booklet for
XYZ(33.7042, 20.7788, 17.2732)
contains.

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Color

**XYZ(33.7042, 20.7788,
17.2732)**

Conversions

Conversions Part 1

Format	Color
Hex	D84B6F
RGB	216, 75, 111
RGB Percent	85%, 29%, 44%
CMY	0.1529, 0.7058, 0.5647
CMYK	0.00, 0.65, 0.49, 0.15
HSL	345°, 64%, 57%
HSV	345°, 65%, 85%
XYZ	33.7042, 20.7788, 17.2732
YIQ	121.2630, 72.4800, 41.0880

Conversions

Conversions Part 2

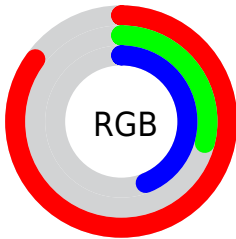
Format	Color
R_{YB}	216, 75, 111
Decimal	14175087
CIE _{Lab}	52.71, 57.75, 10.19
CIE _{LCh}	53, 58.647, 10.007
Yxy	20.7788, 0.4697, 0.2896
Android (android.graphics.Color)	4292365167 (0xFFD84B6F)
YUV	121.2630, -5.0597, 83.0843
Hunter-Lab	45.5838, 52.2096, 9.4417

Details

The XYZ color **33.7042, 20.7788, 17.2732** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **35.6972, 53.9034, 51.7073**, and the grayscale version is **18.2595, 19.2104, 20.9202**.

A 20% lighter version of the original color is **55.8779, 40.1012, 38.9776**, and **14.6357, 7.4381, 5.5148** is the 20% darker color. If you saturate the color by 10%, you get **31.6723, 18.0072, 12.6125**, and if you desaturate by 10%, it is **36.3938, 24.6107, 22.9404**.

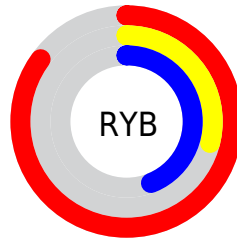
Distribution



Red (85%)

Green (29%)

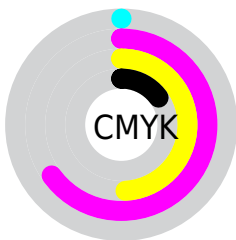
Blue (44%)



Red (85%)

Yellow (29%)

Blue (44%)

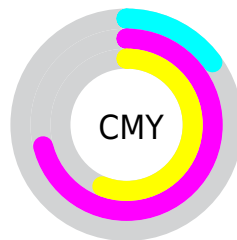


Cyan (0%)

Magenta (65%)

Yellow (49%)

Black (15%)



Cyan (15%)


Magenta (71%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7042, 20.7788, 17.2732 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 33.7042, 20.7788, 17.2732 by changing the saturation by 10% instead.

 33.7042, 20.7788,
17.2732


 33.7042, 20.7788,
17.2732


310.4202,
256.1006, 248.8389


 22.8283, 12.9624,
10.2655


 64.8208, 44.7191,
39.5920


 14.5867, 7.4027,
5.4674


 85.7921, 61.6118,
55.7401


 8.6143, 3.7152,
2.4605


 110.8593, 82.2987,
75.7721

 4.5456, 1.5155,
0.8191

 140.3876,
107.1643, 100.1064

 2.0152, 0.2996,
0.0000

 174.7426,
136.5929, 129.1618

 0.6425, 0.0000,
0.0000

214.2894,

 0.0000, 0.0000,

170.9688, 163.3566

0.0000

259.3935,
210.6766, 203.1095

■ 33.7042, 20.7788,
17.2732

■ 33.7042, 20.7788,
17.2732

■ 31.6723, 18.0072,
12.6125

■ 36.3938, 24.6107,
22.9404

■ 30.2352, 16.1837,
8.8946

■ 39.7928, 29.5934,
29.6699

■ 29.3196, 15.1765,
6.0490

■ 43.9494, 35.8114,
37.5145

■ 29.0117, 14.8760,
4.9743

■ 48.9070, 43.3404,
46.5229

■ 54.7055, 52.2500,
56.7410

■ 61.3824, 62.6048,
68.2119

■ 68.9726, 74.4654,
80.9768

■ 77.5093, 87.8888,
95.0748

■ 82.1288, 93.3389,
108.2953

Harmonies

Analogous

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



32.9550, 20.7788, 36.1679



33.7042, 20.7788, 17.2732



30.1690, 20.7788, 7.1680

Triad

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



33.7042, 20.7788, 17.2732



13.1261, 20.7788, 5.4126



16.0035, 20.7788, 71.1725

Complementary

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



33.7042, 20.7788, 17.2732



35.6972, 53.9034, 51.7073

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.



12.0567, 20.7788, 51.8328



33.7042, 20.7788, 17.2732



10.6482, 20.7788, 12.9707

Square

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



33.7042, 20.7788, 17.2732



17.7801, 20.7788, 3.0446



10.3018, 20.7788, 28.9807



21.8595, 20.7788, 74.4723

Rectangle

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



33.7042, 20.7788, 17.2732



26.2147, 20.7788, 4.2168



10.3018, 20.7788, 28.9807



14.4458, 20.7788, 65.9905

Sweetspot

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



33.7047, 20.7799, 17.2736



75.3597, 69.4565, 75.0932



33.3638, 19.5038, 66.9716



15.6275, 14.0954, 15.1840



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.



33.7047, 20.7799, 17.2736



45.3063, 25.1569, 16.3431



34.9418, 25.8125, 9.7989



12.5520, 12.4723, 13.5813



17.2093, 8.8200, 3.1404



1.0718, 0.5455, 0.3674

Inverse Universe

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



33.7047, 20.7799, 17.2736



45.3063, 25.1569, 16.3431



32.2515, 40.3630, 71.0565



12.5520, 12.4723, 13.5813



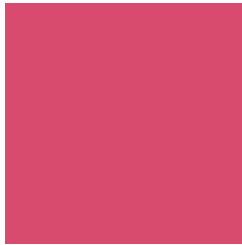
17.2093, 8.8200, 3.1404



1.0718, 0.5455, 0.3674

Previews

White Background



This preview shows how the XYZ color 33.7042, 20.7788, 17.2732 looks on a white background.

Color Contrast Check

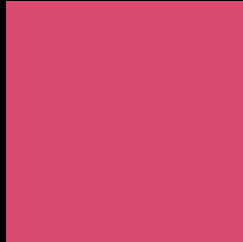
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 33.7042, 20.7788, 17.2732 looks on a black 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

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

XYZ 33.7042, 20.7788, 17.2732

Background



This preview shows how black text looks on a background with the XYZ color 33.7042, 20.7788, 17.2732.



This preview shows how white text looks on a background with the XYZ color 33.7042, 20.7788,

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

33.7042, 20.7788, 17.2732

Protanopia

20.3785, 20.8622, 26.9975

Deuteranopia

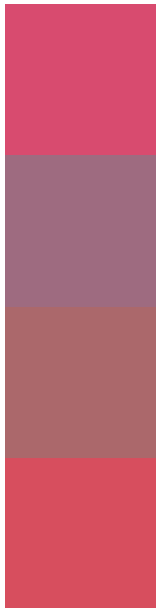
21.1901, 20.7852, 15.9918



Tritanopia

32.2399, 20.6893, 10.8885

Trichromacy



Original Color

33.7042, 20.7788, 17.2732

Protanomaly

23.2545, 19.3430, 22.9300

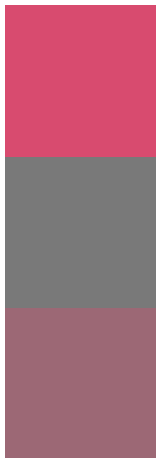
Deuteranomaly

24.3987, 19.6201, 16.4110

Tritanomaly

32.7691, 20.7040, 12.8588

Monochromacy



Original Color

33.7042, 20.7788, 17.2732

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

21.8715, 18.2529, 19.2000

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7042, 20.7788, 17.2732 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(216, 75, 111)` looks like.

```
.text, #text, p{  
    color:rgb(216, 75, 111)  
}
```

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(216, 75, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 75, 111) }
```

Border

The CSS property to change the border of an element to XYZ 33.7042, 20.7788, 17.2732 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(216, 75, 111) }
```


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

```
.border{ border-color:rgb(216, 75, 111) }
```

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

Here you see how a box with a 4 pixel rgb(216, 75, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 75, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 75, 111);  
box-shadow:4px 4px 4px 4px rgb(216, 75,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7042, 20.7788, 17.2732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 75, 111) }
```

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

```
.background{ background-color: rgb(216, 75,  
111) }
```

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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