

Converting Colors

XYZ(32.2668, 17.4379, 11.7228)

Have a look what the booklet for
XYZ(32.2668, 17.4379, 11.7228)
contains.

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Color

**XYZ(32.1401, 17.3746,
11.7849)**

Conversions

Conversions Part 1

Format	Color
Hex	DC265C
RGB	220, 38, 92
RGB Percent	86%, 15%, 36%
CMY	0.1373, 0.8509, 0.6392
CMYK	0.00, 0.83, 0.58, 0.14
HSL	342°, 72%, 51%
HSV	342°, 83%, 86%
XYZ	32.1401, 17.3746, 11.7849
YIQ	98.5740, 91.1380, 55.3780

Conversions

Conversions Part 2

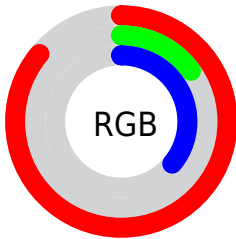
Format	Color
RYB	220, 38, 92
Decimal	14427740
CIELab	48.73, 69.34, 16.29
CIELCh	49, 71.227, 13.219
Yxy	17.3746, 0.5243, 0.2834
Android (android.graphics.Color)	4292617820 (0xFFDC265C)
YUV	98.5740, -3.2410, 106.4906
Hunter-Lab	41.6829, 64.6897, 12.4151

Details

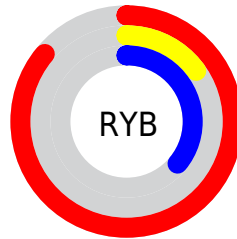
The XYZ color **32.1401, 17.3746, 11.7849** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **33.2775, 54.3524, 44.8215**, and the grayscale version is **11.7466, 12.3584, 13.4583**.

A 20% lighter version of the original color is **51.0728, 33.1136, 29.2909**, and **14.6136, 7.4743, 3.3618** is the 20% darker color. If you saturate the color by 10%, you get **31.0235, 16.1158, 8.4094**, and if you desaturate by 10%, it is **33.8107, 19.5207, 16.0270**.

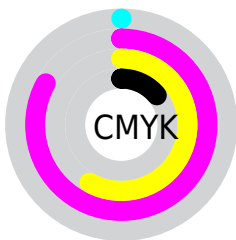
Distribution



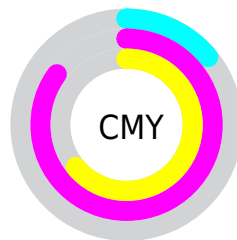
- Red (86%)
- Green (15%)
- Blue (36%)



- Red (86%)
- Yellow (15%)
- Blue (36%)



- Cyan (0%)
- Magenta (83%)
- Yellow (58%)
- Black (14%)





- Cyan (14%)
- Magenta (85%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.1401, 17.3746, 11.7849 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 32.1401, 17.3746, 11.7849 by changing the saturation by 10% instead.

 32.1401, 17.3746,
11.7849


 32.1401, 17.3746,
11.7849


303.4909,
237.3219, 213.9032

 21.6246, 10.5019,
6.4766


 62.3944, 38.9687,
29.7612


 13.6964, 5.7330,
3.0636


 82.8638, 54.4590,
43.2664


 7.9901, 2.6834,
1.1272


 107.3820, 73.5905,
60.3409

 4.1404, 0.9688,
0.0000

 136.3143, 96.7478,
81.4034

 1.7818, 0.0000,
0.0000

 170.0259,
124.3152, 106.8723

 0.5067, 0.0000,
0.0000

 208.8823,

 0.0000, 0.0000,

156.6771, 137.1662

0.0000

253.2489,
194.2179, 172.7036

■ 32.1401, 17.3746,
11.7849

■ 32.1401, 17.3746,
11.7849

■ 31.0235, 16.1158,
8.4094

■ 33.8107, 19.5207,
16.0270

■ 30.4768, 15.6003,
6.4455

■ 36.1056, 22.6816,
21.1969

■ 39.0852, 26.9669,
27.3505

■ 42.8022, 32.4714,
34.5382

■ 47.3039, 39.2793,
42.8070

■ 52.6335, 47.4677,
52.2007

■ 58.8310, 57.1074,
62.7607

■ 65.9337, 68.2645,
74.5260

■ 73.9768, 81.0009,
87.5340

Harmonies

Analogous

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



31.8240, 17.3746, 31.4210



32.1401, 17.3746, 11.7849



27.5519, 17.3746, 3.3750

Triad

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



32.1401, 17.3746, 11.7849



9.2789, 17.3746, 2.8953



13.1250, 17.3746, 79.1049

Complementary

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



32.1401, 17.3746, 11.7849



33.2775, 54.3524, 44.8215

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.



8.9056, 17.3746, 56.1429



32.1401, 17.3746, 11.7849



7.1235, 17.3746, 10.2689

Square

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



32.1401, 17.3746, 11.7849



13.7873, 17.3746, 1.0273



7.0080, 17.3746, 28.4689



19.5784, 17.3746, 80.6268

Rectangle

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



32.1401, 17.3746, 11.7849



22.8935, 17.3746, 1.5065



7.0080, 17.3746, 28.4689



11.4457, 17.3746, 73.1786

Sweetspot

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



32.1405, 17.3756, 11.7852



71.5783, 63.2919, 69.5218



29.2133, 14.5975, 68.9877



14.7495, 12.6686, 13.8764



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.



32.1405, 17.3756, 11.7852



42.6227, 21.8574, 9.0747



32.3417, 20.3086, 4.0506



13.2142, 13.1148, 14.3891



17.9294, 9.1728, 4.0083



1.1989, 0.6092, 0.4563

Inverse Universe

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



32.1405, 17.3756, 11.7852



42.6227, 21.8574, 9.0747



30.7763, 39.6960, 73.7498



13.2142, 13.1148, 14.3891



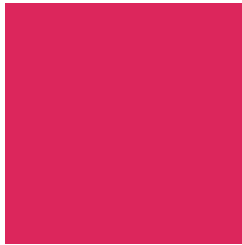
17.9294, 9.1728, 4.0083



1.1989, 0.6092, 0.4563

Previews

White Background



This preview shows how the XYZ color 32.1401, 17.3746, 11.7849 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 32.1401, 17.3746, 11.7849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

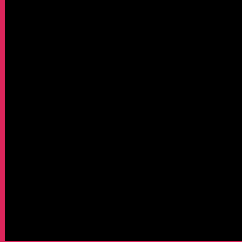
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.1401, 17.3746, 11.7849

Background



This preview shows how black text looks on a background with the XYZ color 32.1401, 17.3746, 11.7849.



This preview shows how white text looks on a background with the XYZ color 32.1401, 17.3746,

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

32.1401, 17.3746, 11.7849

Protanopia

17.2119, 17.6941, 22.9302

Deuteranopia

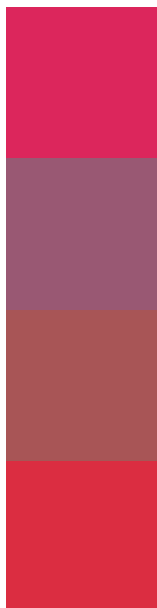
17.8367, 17.6161, 10.6438



Tritanopia

30.5875, 17.3323, 4.7509

Trichromacy



Original Color

32.1401, 17.3746, 11.7849

Protanomaly

19.7211, 14.9896, 18.0735

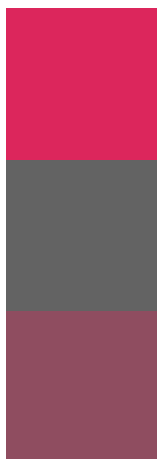
Deuteranomaly

21.0767, 15.4937, 10.6838

Tritanomaly

31.1059, 17.3185, 6.7044

Monochromacy



Original Color

32.1401, 17.3746, 11.7849

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

16.0929, 11.9919, 12.5328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1401, 17.3746, 11.7849 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(220, 38, 92)` looks like.

```
.text, #text, p{  
  color:rgb(220, 38, 92)  
}
```

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(220, 38, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 38, 92) }
```

Border

The CSS property to change the border of an element to XYZ 32.1401, 17.3746, 11.7849 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(220, 38, 92) }
```


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

```
.border{ border-color:rgb(220, 38, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 38, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 38, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 38, 92);  
box-shadow:4px 4px 4px 4px rgb(220, 38,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1401, 17.3746, 11.7849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 38, 92) }
```

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

```
.background{ background-color: rgb(220, 38,  
92) }
```

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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