

Converting Colors

XYZ(32.2022, 17.7015, 12.2095)

Have a look what the booklet for
XYZ(32.2022, 17.7015, 12.2095)
contains.

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Color

**XYZ(32.1345, 17.6696,
12.3066)**

Conversions

Conversions Part 1

Format	Color
Hex	DB2C5E
RGB	219, 44, 94
RGB Percent	86%, 17%, 37%
CMY	0.1412, 0.8274, 0.6314
CMYK	0.00, 0.80, 0.57, 0.14
HSL	343°, 71%, 52%
HSV	343°, 80%, 86%
XYZ	32.1345, 17.6696, 12.3066
YIQ	102.0250, 88.2500, 52.6500

Conversions

Conversions Part 2

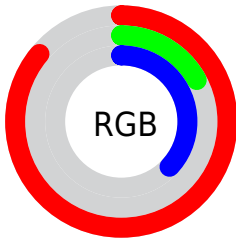
Format	Color
RYB	219, 44, 94
Decimal	14363742
CIELab	49.09, 67.75, 15.53
CIELCh	49, 69.506, 12.911
Yxy	17.6696, 0.5174, 0.2845
Android (android.graphics.Color)	4292553822 (0xFFDB2C5E)
YUV	102.0250, -3.9563, 102.5871
Hunter-Lab	42.0352, 62.8955, 12.0664

Details

The XYZ color **32.1345, 17.6696, 12.3066** 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 **33.5335, 54.0637, 46.2110**, and the grayscale version is **12.6314, 13.2892, 14.4720**.

A 20% lighter version of the original color is **51.6366, 33.9987, 30.2264**, and **14.4590, 7.3898, 3.5700** is the 20% darker color. If you saturate the color by 10%, you get **30.8904, 16.1934, 8.7724**, and if you desaturate by 10%, it is **33.9517, 20.0646, 16.7340**.

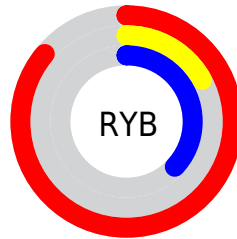
Distribution



Red (86%)

Green (17%)

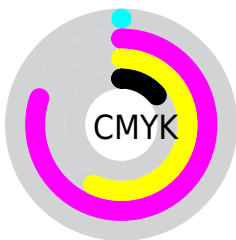
Blue (37%)



Red (86%)

Yellow (17%)

Blue (37%)

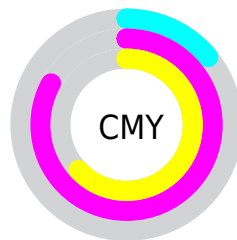


Cyan (0%)

Magenta (80%)

Yellow (57%)

Black (14%)



Cyan (14%)


Magenta (83%)

Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.1345, 17.6696, 12.3066 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 32.1345, 17.6696, 12.3066 by changing the saturation by 10% instead.


 32.1345, 17.6696,
12.3066


 32.1345, 17.6696,
12.3066

303.4659,
239.0021, 217.4741


 21.6203, 10.7130,
6.8278


 62.3857, 39.4735,
30.7250


 13.6932, 5.8742,
3.2778


 82.8533, 55.0897,
44.5017

 7.9879, 2.7687,
1.2382


 107.3695, 74.3611,
61.8814

 4.1389, 1.0122,
0.0103

 136.2996, 97.6723,
83.2826

 1.7810, 0.0000,
0.0000

 170.0089,
125.4076, 109.1240

 0.5062, 0.0000,
0.0000

208.8628,

 0.0000, 0.0000,

157.9514, 139.8240

0.0000

253.2267,
195.6881, 175.8012

■ 32.1345, 17.6696,
12.3066

■ 32.1345, 17.6696,
12.3066

■ 30.8904, 16.1934,
8.7724

■ 33.9517, 20.0646,
16.7340

■ 30.1048, 15.4203,
6.0503

■ 36.4080, 23.4972,
22.1154

■ 30.0982, 15.4140,
6.0271

■ 39.5612, 28.0715,
28.5063

■ 43.4621, 33.8781,
35.9576

■ 48.1566, 40.9984,
44.5164

■ 53.6867, 49.5067,
54.2268

■ 60.0914, 59.4717,
65.1306

■ 67.4072, 70.9576,
77.2671

■ 75.6686, 84.0249,
90.6741

Harmonies

Analogous

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



31.7728, 17.6696, 31.7713



32.1345, 17.6696, 12.3066



27.6950, 17.6696, 3.7214

Triad

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



32.1345, 17.6696, 12.3066



9.6491, 17.6696, 3.1384



13.3871, 17.6696, 77.6249

Complementary

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



32.1345, 17.6696, 12.3066



33.5335, 54.0637, 46.2110

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.



9.2111, 17.6696, 55.2823



32.1345, 17.6696, 12.3066



7.4661, 17.6696, 10.5306

Square

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



32.1345, 17.6696, 12.3066



14.1572, 17.6696, 1.1977



7.3297, 17.6696, 28.3822



19.7404, 17.6696, 79.3472

Rectangle

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



32.1345, 17.6696, 12.3066



23.1435, 17.6696, 1.7370



7.3297, 17.6696, 28.3822



11.7277, 17.6696, 71.8366

Sweetspot

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



32.1349, 17.6706, 12.3069



72.2806, 64.4719, 70.4484



29.5192, 15.0785, 68.3722



14.8809, 12.8930, 14.0386



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.



32.1349, 17.6706, 12.3069



42.8034, 22.0625, 9.6169



32.4650, 20.8356, 4.6949



13.2082, 13.1124, 14.3577



17.8879, 9.1562, 3.7896



1.1956, 0.6079, 0.4389

Inverse Universe

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



32.1349, 17.6706, 12.3069



42.8034, 22.0625, 9.6169



30.9665, 39.9323, 73.0932



13.2082, 13.1124, 14.3577



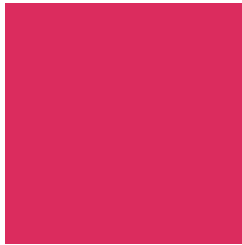
17.8879, 9.1562, 3.7896



1.1956, 0.6079, 0.4389

Previews

White Background



This preview shows how the XYZ color 32.1345, 17.6696, 12.3066 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 32.1345, 17.6696, 12.3066 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 32.1345, 17.6696, 12.3066

Background



This preview shows how black text looks on a background with the XYZ color 32.1345, 17.6696, 12.3066.



This preview shows how white text looks on a background with the XYZ color 32.1345, 17.6696,

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

32.1345, 17.6696, 12.3066

Protanopia

17.5262, 18.0206, 23.3235

Deuteranopia

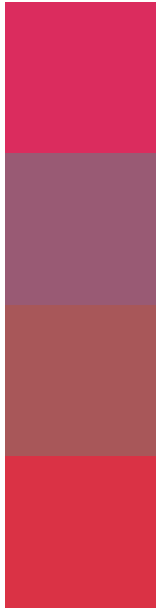
18.1213, 17.7492, 11.2749



Tritanopia

30.6240, 17.6659, 5.4102

Trichromacy



Original Color

32.1345, 17.6696, 12.3066

Protanomaly

19.9454, 15.3456, 18.4338

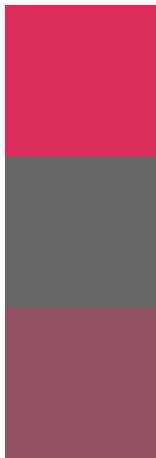
Deuteranomaly

21.3598, 15.8625, 11.3872

Tritanomaly

31.1282, 17.6163, 7.3899

Monochromacy



Original Color

32.1345, 17.6696, 12.3066

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

16.8716, 12.8055, 13.3868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1345, 17.6696, 12.3066 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(219, 44, 94)` looks like.

```
.text, #text, p{  
    color:rgb(219, 44, 94)  
}
```

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(219, 44, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 44, 94) }
```

Border

The CSS property to change the border of an element to XYZ 32.1345, 17.6696, 12.3066 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(219, 44, 94) }
```


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

```
.border{ border-color:rgb(219, 44, 94) }
```

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

Here you see how a box with a 4 pixel rgb(219, 44, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 44, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 44, 94);  
box-shadow:4px 4px 4px 4px rgb(219, 44,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1345, 17.6696, 12.3066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 44, 94) }
```

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

```
.background{ background-color: rgb(219, 44,  
94) }
```

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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