

Converting Colors

XYZ(33.0835, 17.2716, 11.6701)

Have a look what the booklet for
XYZ(33.0835, 17.2716, 11.6701)
contains.

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Color

**XYZ(32.9591, 17.1938,
11.7068)**

Conversions

Conversions Part 1

Format	Color
Hex	E0165C
RGB	224, 22, 92
RGB Percent	88%, 9%, 36%
CMY	0.1216, 0.9136, 0.6392
CMYK	0.00, 0.90, 0.59, 0.12
HSL	339°, 82%, 48%
HSV	339°, 90%, 88%
XYZ	32.9591, 17.1938, 11.7068
YIQ	90.3780, 97.9220, 64.5940

Conversions

Conversions Part 2

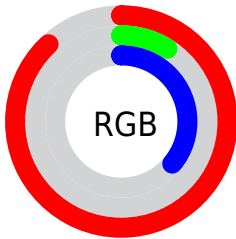
Format	Color
R_{YB}	224, 22, 92
Decimal	14685788
CIE _{Lab}	48.50, 73.24, 16.11
CIE _{LCh}	49, 74.996, 12.405
Yxy	17.1938, 0.5328, 0.2779
Android (android.graphics.Color)	4292875868 (0xFFE0165C)
YUV	90.3780, 0.7996, 117.1865
Hunter-Lab	41.4654, 69.3176, 12.2866

Details

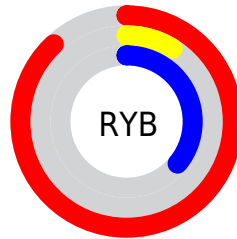
The XYZ color **32.9591, 17.1938, 11.7068** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **32.8221, 55.8159, 39.6279**, and the grayscale version is **9.7893, 10.2991, 11.2158**.

A 20% lighter version of the original color is **50.3972, 31.7624, 29.0657**, and **15.2110, 7.7823, 3.3897** is the 20% darker color. If you saturate the color by 10%, you get **32.1012, 16.3916, 8.6053**, and if you desaturate by 10%, it is **34.2920, 18.7347, 15.6196**.

Distribution



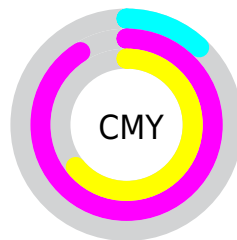
- Red (88%)
- Green (9%)
- Blue (36%)



- Red (88%)
- Yellow (9%)
- Blue (36%)



- Cyan (0%)
- Magenta (90%)
- Yellow (59%)
- Black (12%)





- Cyan (12%)
- Magenta (91%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9591, 17.1938, 11.7068 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 32.9591, 17.1938, 11.7068 by changing the saturation by 10% instead.


 32.9591, 17.1938,
11.7068

 32.9591, 17.1938,
11.7068


307.1336,
236.2867, 213.3630


 22.2542, 10.3728,
6.4243


 63.6668, 38.6587,
29.6163


 14.1615, 5.6468,
3.0318


 84.4003, 54.0713,
43.0804


 8.3155, 2.6315,
1.1109


 109.2073, 73.1166,
60.1087

 4.3510, 0.9425,
0.0000

 138.4533, 96.1790,
81.1198

 1.9025, 0.0000,
0.0000

 172.5036,
123.6427, 106.5323

 0.5783, 0.0000,
0.0000

 211.7235,

 0.0000, 0.0000,

155.8924, 136.7646

0.0000

256.4784,
193.3122, 172.2353

■ 32.9591, 17.1938,
11.7068

■ 32.9591, 17.1938,
11.7068

■ 32.1012, 16.3916,
8.6053

■ 34.2920, 18.7347,
15.6196

■ 36.2057, 21.2286,
20.3685

■ 38.7699, 24.8054,
26.0070

■ 42.0437, 29.5739,
32.5831

■ 46.0790, 35.6293,
40.1406

■ 50.9226, 43.0571,
48.7206

■ 56.6175, 51.9354,
58.3612

■ 63.2035, 62.3365,
69.0989

■ 70.7179, 74.3278,
80.9679

Harmonies

Analogous

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



32.4668, 17.1938, 32.6621



32.9591, 17.1938, 11.7068



28.1810, 17.1938, 3.0346

Triad

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



32.9591, 17.1938, 11.7068



8.9480, 17.1938, 2.3693



12.6617, 17.1938, 83.0013

Complementary

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



32.9591, 17.1938, 11.7068



32.8221, 55.8159, 39.6279

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.



8.3931, 17.1938, 57.6373



32.9591, 17.1938, 11.7068



6.6999, 17.1938, 9.4476

Square

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



32.9591, 17.1938, 11.7068



13.6628, 17.1938, 0.7258



6.5303, 17.1938, 28.0927



19.3509, 17.1938, 85.4199

Rectangle

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



32.9591, 17.1938, 11.7068



23.2652, 17.1938, 1.2195



6.5303, 17.1938, 28.0927



10.9499, 17.1938, 76.3423

Sweetspot

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



32.9595, 17.1948, 11.7071



70.4637, 61.0943, 69.0530



26.9374, 12.7592, 71.5636



14.5519, 12.2548, 13.8680



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.



32.9595, 17.1948, 11.7071



43.0157, 21.9703, 11.2806



32.1279, 18.3903, 2.6169



13.9023, 13.7785, 15.2556



18.7343, 9.5607, 5.2667



1.3398, 0.6792, 0.5820

Inverse Universe

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



32.9595, 17.1948, 11.7071



43.0157, 21.9703, 11.2806



33.0119, 44.0046, 77.2744



13.9023, 13.7785, 15.2556



18.7343, 9.5607, 5.2667



1.3398, 0.6792, 0.5820

Previews

White Background



This preview shows how the XYZ color 32.9591, 17.1938, 11.7068 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 32.9591, 17.1938, 11.7068 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 32.9591, 17.1938, 11.7068

Background



This preview shows how black text looks on a background with the XYZ color 32.9591, 17.1938, 11.7068.



This preview shows how white text looks on a background with the XYZ color 32.9591, 17.1938,

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

32.9591, 17.1938, 11.7068

Protanopia

17.2350, 17.5048, 24.3002

Deuteranopia

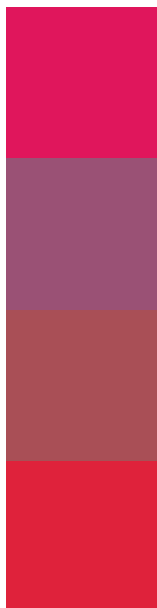
17.7270, 17.3967, 10.6072



Tritanopia

31.3001, 17.2687, 3.6910

Trichromacy



Original Color

32.9591, 17.1938, 11.7068

Protanomaly

19.4797, 14.0392, 18.5128

Deuteranomaly

20.8379, 14.6989, 10.5430

Tritanomaly

31.7929, 17.1478, 5.7719

Monochromacy



Original Color

32.9591, 17.1938, 11.7068

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

14.4261, 10.0249, 11.0722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9591, 17.1938, 11.7068 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(224, 22, 92)` looks like.

```
.text, #text, p{  
    color:rgb(224, 22, 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(224, 22, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 22, 92) }
```

Border

The CSS property to change the border of an element to XYZ 32.9591, 17.1938, 11.7068 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(224, 22, 92) }
```


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

```
.border{ border-color:rgb(224, 22, 92) }
```

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

Here you see how a box with a 4 pixel rgb(224, 22, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 22, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 22, 92);  
box-shadow:4px 4px 4px 4px rgb(224, 22,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9591, 17.1938, 11.7068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 22, 92) }
```

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

```
.background{ background-color: rgb(224, 22,  
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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