

Converting Colors

XYZ(32.9990, 17.2491, 3.3662)

Have a look what the booklet for
XYZ(32.9990, 17.2491, 3.3662)
contains.

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Color

**XYZ(33.1523, 17.3271,
3.3474)**

Conversions

Conversions Part 1

Format	Color
Hex	E61025
RGB	230, 16, 37
RGB Percent	90%, 6%, 15%
CMY	0.0980, 0.9371, 0.8549
CMYK	0.00, 0.93, 0.84, 0.10
HSL	354°, 87%, 48%
HSV	354°, 93%, 90%
XYZ	33.1523, 17.3271, 3.3474
YIQ	82.3800, 120.8030, 51.8990

Conversions

Conversions Part 2

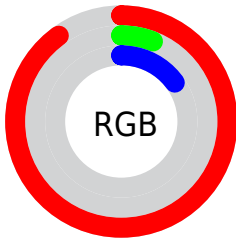
Format	Color
R_{YB}	230, 16, 37
Decimal	15077413
CIE Lab	48.67, 73.21, 48.85
CIE LCh	49, 88.012, 33.710
Yxy	17.3271, 0.6159, 0.3219
Android (android.graphics.Color)	4293267493 (0xFFE61025)
YUV	82.3800, -22.3723, 129.4627
Hunter-Lab	41.6258, 69.3186, 24.3702

Details

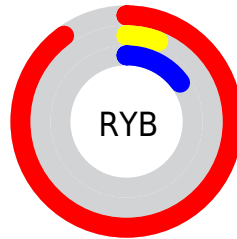
The XYZ color **33.1523, 17.3271, 3.3474** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **40.0244, 61.3090, 70.0713**, and the grayscale version is **8.1273, 8.5506, 9.3116**.

A 20% lighter version of the original color is **46.9324, 30.0845, 11.7208**, and **15.5170, 7.9993, 0.7262** is the 20% darker color. If you saturate the color by 10%, you get **32.7828, 16.8828, 2.3171**, and if you desaturate by 10%, it is **34.1170, 18.5795, 5.7574**.

Distribution



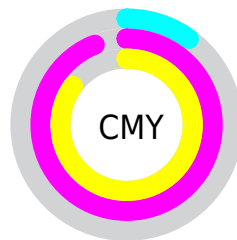
- Red (90%)
- Green (6%)
- Blue (15%)



- Red (90%)
- Yellow (6%)
- Blue (15%)



- Cyan (0%)
- Magenta (93%)
- Yellow (84%)
- Black (10%)





- Cyan (10%)
- Magenta (94%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1523, 17.3271, 3.3474 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 33.1523, 17.3271, 3.3474 by changing the saturation by 10% instead.


 33.1523, 17.3271,
3.3474


 33.1523, 17.3271,
3.3474


307.9883,
237.0504, 140.6692


 22.4029, 10.4680,
1.2746

 63.9663, 38.8873,
12.4743


 14.2715, 5.7103,
0.0409


 84.7617, 54.3572,
20.3655

 8.3927, 2.6698,
0.0000


 109.6364, 73.4662,
31.0332

 4.4012, 0.9619,
0.0000

 138.9559, 96.5985,
44.8961

 1.9315, 0.0000,
0.0000

 173.0855,
124.1388, 62.3725


 0.5950, 0.0000,
0.0000


 212.3905,


 0.0000, 0.0000,


156.4712, 83.8812


0.0000


 257.2363,
193.9803, 109.8406


 33.1523, 17.3271,
3.3474


 33.1523, 17.3271,
3.3474


 32.7828, 16.8828,
2.3171

 34.1170, 18.5795,
5.7574

 35.7506, 20.8296,
9.4372

 38.1482, 24.2316,
14.5314

 41.3890, 28.9122,
21.1645

 45.5425, 34.9814,
29.4475

■ 50.6706, 42.5374,
39.4810

■ 56.8299, 51.6697,
51.3575

■ 64.0728, 62.4604,
65.1631

■ 72.4479, 74.9861,
80.9784

Harmonies

Analogous

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



37.4558, 17.3271, 16.1206



33.1523, 17.3271, 3.3474



24.3895, 17.3271, 0.3499

Triad

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



33.1523, 17.3271, 3.3474



6.0684, 17.3271, 5.1904



17.4991, 17.3271, 107.7870

Complementary

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



33.1523, 17.3271, 3.3474



40.0244, 61.3090, 70.0713

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.



10.4808, 17.3271, 93.9555



33.1523, 17.3271, 3.3474



5.2916, 17.3271, 21.9073

Square

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



33.1523, 17.3271, 3.3474



9.2397, 17.3271, 0.7481



6.6021, 17.3271, 56.1094



26.7322, 17.3271, 85.7747

Rectangle

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



33.1523, 17.3271, 3.3474



18.2378, 17.3271, 0.0000



6.6021, 17.3271, 56.1094



14.8182, 17.3271, 107.2277

Sweetspot

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



33.1527, 17.3282, 3.3476



67.6569, 59.1188, 56.9018



40.6511, 19.5824, 76.4995



13.7870, 11.6256, 10.8362



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.



33.1527, 17.3282, 3.3476



41.4153, 21.3301, 2.8529



37.4412, 26.2894, 3.5928



14.4341, 14.3908, 15.2202



18.5801, 9.5662, 1.4177



1.3926, 0.7148, 0.2080

Inverse Universe

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



33.1527, 17.3282, 3.3476



41.4153, 21.3301, 2.8529



24.5335, 25.8963, 78.5677



14.4341, 14.3908, 15.2202



18.5801, 9.5662, 1.4177



1.3926, 0.7148, 0.2080

Previews

White Background



This preview shows how the XYZ color 33.1523, 17.3271, 3.3474 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



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 33.1523, 17.3271, 3.3474

Background



This preview shows how black text looks on a background with the XYZ color 33.1523, 17.3271, 3.3474.



This preview shows how white text looks on a background with the XYZ color 33.1523, 17.3271,

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

33.1523, 17.3271, 3.3474

Protanopia

16.2040, 17.7055, 6.7011

Deuteranopia

17.9355, 17.6801, 2.6683



Tritanopia

32.9693, 17.4165, 1.8825

Trichromacy



Original Color

33.1523, 17.3271, 3.3474

Protanomaly

19.1921, 14.0833, 4.8388

Deuteranomaly

21.0537, 14.6775, 2.2957

Tritanomaly

33.0008, 17.3703, 2.2296

Monochromacy



Original Color

33.1523, 17.3271, 3.3474

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

12.6498, 8.6537, 6.1579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1523, 17.3271, 3.3474 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(230, 16, 37)` looks like.

```
.text, #text, p{  
    color:rgb(230, 16, 37)  
}
```

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(230, 16, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 16, 37) }
```

Border

The CSS property to change the border of an element to XYZ 33.1523, 17.3271, 3.3474 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(230, 16, 37) }
```


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

```
.border{ border-color:rgb(230, 16, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 16, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 16, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 16, 37);  
box-shadow:4px 4px 4px 4px rgb(230, 16,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1523, 17.3271, 3.3474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 16, 37) }
```

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

```
.background{ background-color: rgb(230, 16,  
37) }
```

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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