

Converting Colors

XYZ(33.2951, 17.1624, 1.6440)

Have a look what the booklet for
XYZ(33.2951, 17.1624, 1.6440)
contains.

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Color

**XYZ(33.2951, 17.1624,
1.6440)**

Conversions

Conversions Part 1

Format	Color
Hex	E80003
RGB	232, 0, 3
RGB Percent	91%, 0%, 1%
CMY	0.0902, 0.9998, 0.9882
CMYK	0.00, 1.00, 0.99, 0.09
HSL	359°, 100%, 46%
HSV	359°, 100%, 91%
XYZ	33.2951, 17.1624, 1.6440
YIQ	69.7100, 137.3090, 50.1170

Conversions

Conversions Part 2

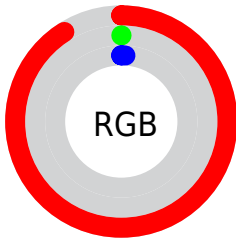
Format	Color
RYB	232, 0, 3
Decimal	15204355
CIELab	48.46, 74.60, 61.71
CIElCh	48, 96.820, 39.598
Yxy	17.1624, 0.6390, 0.3294
Android (android.graphics.Color)	4293394435 (0xFFE80003)
YUV	69.7100, -32.8880, 142.3283
Hunter-Lab	41.4275, 70.9614, 26.6464

Details

The XYZ color **33.2951, 17.1624, 1.6440** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **43.0079, 63.3733, 84.1363**, and the grayscale version is **5.8157, 6.1186, 6.6631**.

A 20% lighter version of the original color is **45.7448, 29.0477, 7.1987**, and **15.5170, 7.9993, 0.7262** is the 20% darker color. If you saturate the color by 10%, you get **33.2945, 17.1621, 1.6423**, and if you desaturate by 10%, it is **33.7754, 17.8530, 2.6377**.

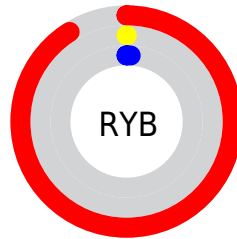
Distribution



Red (91%)

Green (0%)

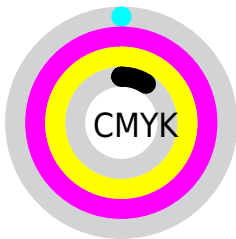
Blue (1%)



Red (91%)

Yellow (0%)

Blue (1%)

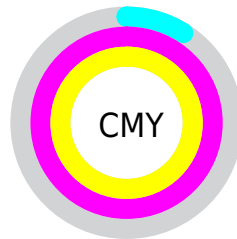


Cyan (0%)

Magenta (100%)

Yellow (99%)

Black (9%)



Cyan (9%)


Magenta (100%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2951, 17.1624, 1.6440 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 33.2951, 17.1624, 1.6440 by changing the saturation by 10% instead.


 33.2951, 17.1624,
1.6440


 33.2951, 17.1624,
1.6440


 308.6189,
236.1065, 116.5781


 22.5129, 10.3503,
0.3219


 64.1876, 38.6048,
8.0425


 14.3530, 5.6319,
0.0000


 85.0286, 54.0039,
14.0880


 8.4499, 2.6225,
0.0000


 109.9533, 73.0342,
22.5892

 4.4384, 0.9380,
0.0000

 139.3269, 96.0800,
33.9645

 1.9530, 0.0000,
0.0000

 173.5150,
123.5257, 48.6325


 0.6074, 0.0000,
0.0000


 212.8828,


 0.0000, 0.0000,


155.7558, 67.0118


0.0000


 257.7956,
193.1546, 89.5208


 33.2951, 17.1624,
1.6440


 33.2951, 17.1624,
1.6440

 33.2945, 17.1621,
1.6423

 33.7754, 17.8530,
2.6377

 34.8239, 19.3659,
4.7877

 36.6079, 21.9577,
8.3917

 39.2290, 25.7792,
13.6455

 42.7728, 30.9571,
20.7145

■ 47.3145, 37.6025,
29.7441

■ 52.9213, 45.8151,
40.8649

■ 59.6549, 55.6858,
54.1966

■ 67.5719, 67.2986,
69.8494

Harmonies

Analogous

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



39.5638, 17.1624, 11.6700



33.2951, 17.1624, 1.6440



23.0082, 17.1624, 0.0000

Triad

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



33.2951, 17.1624, 1.6440



4.9815, 17.1624, 6.3090



19.3238, 17.1624, 120.0396

Complementary

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



33.2951, 17.1624, 1.6440



43.0079, 63.3733, 84.1363

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.



11.0607, 17.1624, 112.0016



33.2951, 17.1624, 1.6440



4.6140, 17.1624, 28.0690

Square

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



33.2951, 17.1624, 1.6440



7.6788, 17.1624, 0.6261



6.3852, 17.1624, 70.2966



29.7738, 17.1624, 87.2264

Rectangle

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



33.2951, 17.1624, 1.6440



16.4324, 17.1624, 0.0000



6.3852, 17.1624, 70.2966



16.1929, 17.1624, 122.4130

Sweetspot

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



33.2955, 17.1635, 1.6442



65.4444, 56.5739, 50.3681



46.6032, 22.3432, 78.1995



13.3442, 11.1369, 9.4653



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.



33.2955, 17.1635, 1.6442



41.2577, 21.2671, 2.0233



39.0910, 28.7803, 3.4966



14.3844, 14.3709, 14.9586



18.4874, 9.5292, 0.9299



1.3688, 0.7052, 0.0826

Inverse Universe

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



33.2955, 17.1635, 1.6442



41.2577, 21.2671, 2.0233



21.2700, 19.2343, 78.9347



14.3844, 14.3709, 14.9586



18.4874, 9.5292, 0.9299



1.3688, 0.7052, 0.0826

Previews

White Background



This preview shows how the XYZ color 33.2951, 17.1624, 1.6440 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 33.2951, 17.1624, 1.6440

Background



This preview shows how black text looks on a background with the XYZ color 33.2951, 17.1624, 1.6440.



This preview shows how white text looks on a background with the XYZ color 33.2951, 17.1624,

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

33.2951, 17.1624, 1.6440

Protanopia

15.9557, 17.6416, 3.7925

Tritanopia

32.9200, 17.3968, 1.6228

Trichromacy



Original Color

33.2951, 17.1624, 1.6440

Protanomaly

18.7235, 13.2729, 2.2369

Tritanomaly

33.1175, 17.3052, 1.6235

Monochromacy



Original Color

33.2951, 17.1624, 1.6440

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

10.4848, 6.7412, 3.3333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2951, 17.1624, 1.6440 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(232, 0, 3)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 3)  
}
```

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(232, 0, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 3) }
```

Border

The CSS property to change the border of an element to XYZ 33.2951, 17.1624, 1.6440 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(232, 0, 3) }
```

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

```
.border{ border-color:rgb(232, 0, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 0, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(232, 0, 3); box-shadow:4px  
4px 4px 4px rgb(232, 0, 3) }
```


Background

The CSS property to change the background color of an element to XYZ 33.2951, 17.1624, 1.6440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 3) }
```

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

```
.background{ background-color: rgb(232, 0,  
3) }
```

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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