

# Converting Colors

XYZ(35.2754, 19.2228, 1.8511)

Have a look what the booklet for  
XYZ(35.2754, 19.2228, 1.8511)  
contains.

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# Color

**XYZ(35.2852, 19.2191,  
1.8499)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EC2600
RGB	236, 38, 0
RGB Percent	93%, 15%, 0%
CMY	0.0745, 0.8509, 1.0000
CMYK	0.00, 0.84, 1.00, 0.07
HSL	10°, 100%, 46%
HSV	10°, 100%, 93%
XYZ	35.2852, 19.2191, 1.8499
YIQ	92.8700, 130.2060, 30.1580

# Conversions

## Conversions Part 2

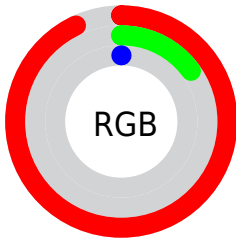
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	236, 45, 0
Decimal	15476224
CIELab	50.94, 70.81, 64.00
CIElCh	51, 95.447, 42.110
Yxy	19.2191, 0.6261, 0.3410
Android (android.graphics.Color)	4293666304 (0xFFEC2600)
YUV	92.8700, -45.7849, 125.5250
Hunter-Lab	43.8396, 66.9501, 28.1859

# Details

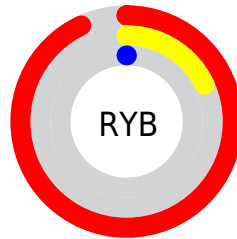
The XYZ color **35.2852, 19.2191, 1.8499** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **35.3295, 46.4347, 86.4570**, and the grayscale version is **10.4586, 11.0033, 11.9826**.

A 20% lighter version of the original color is **47.0553, 31.6686, 7.6356**, and **16.5776, 8.5460, 0.7758** is the 20% darker color. If you saturate the color by 10%, you get **35.2856, 19.2203, 1.8501**, and if you desaturate by 10%, it is **36.2565, 20.9049, 2.9667**.

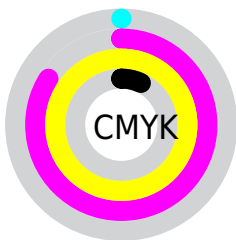
# Distribution



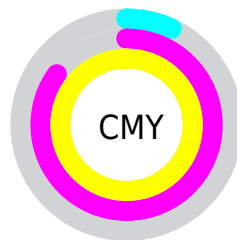
- Red (93%)
- Green (15%)
- Blue (0%)



- Red (93%)
- Yellow (18%)
- Blue (0%)



- Cyan (0%)
- Magenta (84%)
- Yellow (100%)
- Black (7%)




- Cyan (7%)
- Magenta (85%)
- Yellow (100%)


# Brightness & Saturation Gradients


These gradients show how the XYZ color 35.2852, 19.2191, 1.8499 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 35.2852, 19.2191, 1.8499 by changing the saturation by 10% instead.




 35.2852, 19.2191,  
1.8499


 35.2852, 19.2191,  
1.8499

 317.3114,  
247.6557, 120.0007

 24.0502, 11.8287,  
0.4606


 67.2585, 42.1040,  
8.6262

 15.4958, 6.6271,  
0.0000


 88.7274, 58.3673,  
14.9329

 9.2567, 3.2300,  
0.0000


 114.3384, 78.3570,  
23.7434

 4.9674, 1.2530,  
0.0000

 144.4568,  
102.4575, 35.4761

 2.2627, 0.1043,  
0.0000

 179.4480,  
131.0533, 50.5497


 0.7755, 0.0000,  
0.0000


 219.6772,


 0.0000, 0.0000,


164.5286, 69.3826


0.0000


 265.5099,  
203.2679, 92.3934


 35.2852, 19.2191,  
1.8499


 35.2852, 19.2191,  
1.8499


 35.2856, 19.2203,  
1.8501

 36.2565, 20.9049,  
2.9667

 37.8062, 23.4341,  
5.2413

 40.0359, 26.9114,  
9.0121

 43.0163, 31.4203,  
14.4817

 46.8090, 37.0351,  
21.8211

■ 51.4690, 43.8230,  
31.1802

■ 57.0461, 51.8457,  
42.6936

■ 63.5867, 61.1607,  
56.4844

■ 71.1338, 71.8219,  
72.6663

# Harmonies

## Analogous

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



42.3417, 19.2191, 11.8149



35.2852, 19.2191, 1.8499



24.4207, 19.2191, 0.0000

# Triad

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



35.2852, 19.2191, 1.8499



5.8768, 19.2191, 8.6867



22.3403, 19.2191, 123.7919

# Complementary

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



35.2852, 19.2191, 1.8499



35.3295, 46.4347, 86.4570

# 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.



13.2453, 19.2191, 119.4133



35.2852, 19.2191, 1.8499



5.6575, 19.2191, 33.8170

# Square

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



35.2852, 19.2191, 1.8499



8.6085, 19.2191, 1.2083



7.8493, 19.2191, 78.6123



33.3184, 19.2191, 87.9001



# Rectangle

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



35.2852, 19.2191, 1.8499



17.6077, 19.2191, 0.0000



7.8493, 19.2191, 78.6123



18.9429, 19.2191, 127.4921

# Sweetspot

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



35.2856, 19.2203, 1.8502



67.9187, 61.6795, 50.7088



45.0874, 22.0310, 56.8877



13.9068, 12.2975, 9.5438



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.



35.2856, 19.2203, 1.8502



42.0358, 22.8515, 2.1953



46.0486, 40.7463, 5.4378



15.2615, 15.4459, 15.6957



19.5113, 10.7168, 1.0402



1.5909, 0.9592, 0.1013



# Inverse Universe

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



35.3295, 46.4347, 86.4570



42.0760, 55.2720, 103.0587



18.2030, 12.1816, 80.7482



15.2991, 16.6846, 19.3363



19.5548, 25.7565, 47.6838



1.5908, 2.1330, 3.7627



# Previews

## White Background



This preview shows how the XYZ color 35.2852, 19.2191, 1.8499 looks on a white 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



# Black Background



This preview shows how the XYZ color 35.2852, 19.2191, 1.8499 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 35.2852, 19.2191, 1.8499**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.2852, 19.2191, 1.8499.



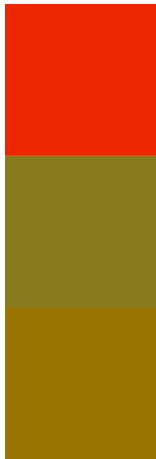
This preview shows how white text looks on a background with the XYZ color 35.2852, 19.2191,



# 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

35.2852, 19.2191, 1.8499

### Protanopia

17.4978, 19.3261, 3.9705

### Deuteranopia

19.5718, 19.3608, 2.7055



## Tritanopia

35.4975, 19.2044, 3.2747

# Trichromacy



## Original Color

35.2852, 19.2191, 1.8499

## Protanomaly

21.0838, 16.4101, 2.6285

## Deuteranomaly

23.2569, 17.1698, 2.0883

## Tritanomaly

35.3890, 19.2101, 2.5522

# Monochromacy



## Original Color

35.2852, 19.2191, 1.8499

## Achromatopsia

10.4043, 10.9462, 11.9204

## Achromatomaly

14.8490, 11.1006, 5.4977

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.2852, 19.2191, 1.8499 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(236, 38, 0)` looks like.

```
.text, #text, p{  
    color:rgb(236, 38, 0)  
}
```

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(236, 38, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 38, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 35.2852, 19.2191, 1.8499 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(236, 38, 0) }
```



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

```
.border{ border-color:rgb(236, 38, 0) }
```

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

Here you see how a box with a 4 pixel rgb(236, 38, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 38, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 38, 0);  
box-shadow:4px 4px 4px 4px rgb(236, 38, 0)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 35.2852, 19.2191, 1.8499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 38, 0) }
```

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

```
.background{ background-color: rgb(236, 38,  
0) }
```

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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