

Converting Colors

XYZ(34.2747, 18.9183, 4.1597)

Have a look what the booklet for
XYZ(34.2747, 18.9183, 4.1597)
contains.

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Color

**XYZ(34.2549, 18.8911,
4.1264)**

Conversions

Conversions Part 1

Format	Color
Hex	E72B2B
RGB	231, 43, 43
RGB Percent	91%, 17%, 17%
CMY	0.0941, 0.8313, 0.8314
CMYK	0.00, 0.81, 0.81, 0.09
HSL	0°, 80%, 54%
HSV	0°, 81%, 91%
XYZ	34.2549, 18.8911, 4.1264
YIQ	99.2120, 112.0480, 39.8560

Conversions

Conversions Part 2

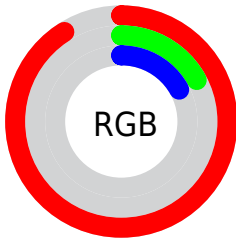
Format	Color
R_{YB}	231, 43, 43
Decimal	15149867
CIE Lab	50.56, 68.93, 47.58
CIE LCh	51, 83.753, 34.617
Yxy	18.8911, 0.5981, 0.3298
Android (android.graphics.Color)	4293339947 (0xFFE72B2B)
YUV	99.2120, -27.7125, 115.5781
Hunter-Lab	43.4639, 64.6182, 24.7958

Details

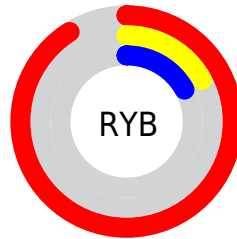
The XYZ color **34.2549, 18.8911, 4.1264** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **43.9907, 63.4246, 85.5243**, and the grayscale version is **11.9632, 12.5862, 13.7064**.

A 20% lighter version of the original color is **48.4480, 32.7233, 13.4356**, and **15.7259, 8.1070, 0.7360** is the 20% darker color. If you saturate the color by 10%, you get **33.3289, 17.5364, 2.2854**, and if you desaturate by 10%, it is **35.8960, 21.2933, 7.3879**.

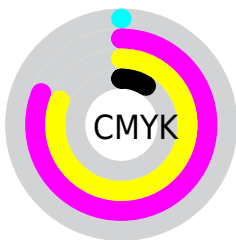
Distribution



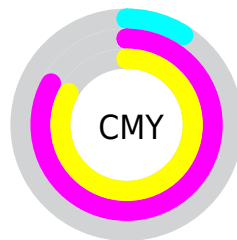
- Red (91%)
- Green (17%)
- Blue (17%)



- Red (91%)
- Yellow (17%)
- Blue (17%)



- Cyan (0%)
- Magenta (81%)
- Yellow (81%)
- Black (9%)





- Cyan (9%)
- Magenta (83%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2549, 18.8911, 4.1264 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 34.2549, 18.8911, 4.1264 by changing the saturation by 10% instead.


 34.2549, 18.8911,
4.1264


 34.2549, 18.8911,
4.1264


312.8331,
245.8469, 149.6201


 23.2533, 11.5916,
1.6949


 65.6715, 41.5500,
14.3002


 14.9024, 6.4662,
0.3573


 86.8173, 57.6782,
22.8797

 8.8368, 3.1306,
0.0000


 112.0751, 77.5181,
34.3456

 4.6911, 1.2003,
0.0000

 141.8104,
101.4541, 49.1164

 2.1001, 0.0619,
0.0000

 176.3885,
129.8706, 67.6107

 0.6893, 0.0000,
0.0000

 216.1747,

 0.0000, 0.0000,

163.1520, 90.2471

0.0000

261.5345,
201.6826, 117.4441

■ 34.2549, 18.8911,
4.1264

■ 34.2549, 18.8911,
4.1264

■ 33.3289, 17.5364,
2.2854

■ 35.8960, 21.2933,
7.3879


■ 32.9550, 16.9892,
1.5423


■ 38.3565, 24.8938,
12.2787


■ 41.7247, 29.8225,
18.9742


■ 46.0773, 36.1917,
27.6268

■ 51.4829, 44.1017,
38.3729

 58.0040, 53.6438,
51.3367

 65.6982, 64.9025,
66.6327

 74.6190, 77.9560,
84.3674

 84.8168, 92.8781,
104.6409

Harmonies

Analogous

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



38.6328, 18.8911, 17.1530



34.2549, 18.8911, 4.1264



25.5751, 18.8911, 0.8043

Triad

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



34.2549, 18.8911, 4.1264



7.1660, 18.8911, 6.6737



19.2511, 18.8911, 106.0323

Complementary

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



34.2549, 18.8911, 4.1264



43.9907, 63.4246, 85.5243

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.



12.0229, 18.8911, 93.9821



34.2549, 18.8911, 4.1264



6.3998, 18.8911, 24.4113

Square

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



34.2549, 18.8911, 4.1264



10.4218, 18.8911, 1.3103



7.8742, 18.8911, 58.2264



28.4520, 18.8911, 84.3499

Rectangle

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



34.2549, 18.8911, 4.1264



19.4715, 18.8911, 0.2648



7.8742, 18.8911, 58.2264



16.5202, 18.8911, 105.8757

Sweetspot

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



34.2553, 18.8923, 4.1267



70.2037, 63.6432, 59.5055



48.2423, 24.4860, 77.7843



14.3959, 12.6995, 11.4829



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.



34.2553, 18.8923, 4.1267



41.3235, 21.3824, 2.0957



42.3364, 35.0545, 6.8204



14.3772, 14.3682, 14.9200



18.4752, 9.5246, 0.8647



1.3653, 0.7039, 0.0639

Inverse Universe

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



43.9907, 63.4246, 85.5243



53.8664, 78.7581, 106.9705



24.3656, 24.1744, 78.9826



14.8074, 16.3362, 18.5171



24.1029, 35.2680, 47.9202



1.7812, 2.6063, 3.5411

Previews

White Background



This preview shows how the XYZ color 34.2549, 18.8911, 4.1264 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 34.2549, 18.8911, 4.1264 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 34.2549, 18.8911, 4.1264

Background



This preview shows how black text looks on a background with the XYZ color 34.2549, 18.8911, 4.1264.



This preview shows how white text looks on a background with the XYZ color 34.2549, 18.8911,

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

34.2549, 18.8911, 4.1264

Protanopia

17.4357, 19.0315, 7.6050

Deuteranopia

19.2551, 19.0071, 3.5736



Tritanopia

34.2368, 18.8838, 4.0310

Trichromacy



Original Color

34.2549, 18.8911, 4.1264

Protanomaly

20.9903, 16.5492, 5.8294

Deuteranomaly

22.8891, 17.0728, 3.4555

Tritanomaly

34.2368, 18.8838, 4.0310

Monochromacy



Original Color

34.2549, 18.8911, 4.1264

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

16.2399, 12.3595, 8.9268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2549, 18.8911, 4.1264 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(231, 43, 43)` looks like.

```
.text, #text, p{  
    color:rgb(231, 43, 43)  
}
```

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(231, 43, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 43, 43) }
```

Border

The CSS property to change the border of an element to XYZ 34.2549, 18.8911, 4.1264 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(231, 43, 43) }
```


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

```
.border{ border-color:rgb(231, 43, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 43, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 43, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 43, 43);  
box-shadow:4px 4px 4px 4px rgb(231, 43,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2549, 18.8911, 4.1264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 43, 43) }
```

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

```
.background{ background-color: rgb(231, 43,  
43) }
```

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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