

Converting Colors

XYZ(34.8955, 19.7075, 5.1506)

Have a look what the booklet for
XYZ(34.8955, 19.7075, 5.1506)
contains.

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Color

**XYZ(34.7364, 19.5956,
5.0835)**

Conversions

Conversions Part 1

Format	Color
Hex	E73333
RGB	231, 51, 51
RGB Percent	91%, 20%, 20%
CMY	0.0941, 0.7999, 0.8000
CMYK	0.00, 0.78, 0.78, 0.09
HSL	0°, 79%, 55%
HSV	0°, 78%, 91%
XYZ	34.7364, 19.5956, 5.0835
YIQ	104.8200, 107.2800, 38.1600

Conversions

Conversions Part 2

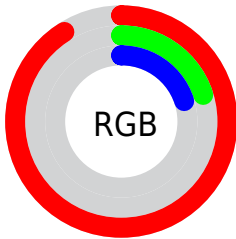
Format	Color
R_{YB}	231, 51, 51
Decimal	15151923
CIE Lab	51.38, 67.06, 44.15
CIE LCh	51, 80.291, 33.359
Yxy	19.5956, 0.5846, 0.3298
Android (android.graphics.Color)	4293342003 (0xFFE73333)
YUV	104.8200, -26.5333, 110.6599
Hunter-Lab	44.2669, 62.6024, 24.1781

Details

The XYZ color **34.7364, 19.5956, 5.0835** 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 **44.3608, 63.6169, 85.5421**, and the grayscale version is **13.4294, 14.1288, 15.3863**.

A 20% lighter version of the original color is **49.3973, 33.9711, 15.7579**, and **15.7588, 8.1201, 0.9091** is the 20% darker color. If you saturate the color by 10%, you get **33.5765, 17.8988, 2.7775**, and if you desaturate by 10%, it is **36.6506, 22.3973, 8.8878**.

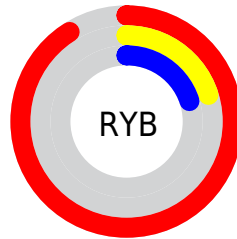
Distribution



Red (91%)

Green (20%)

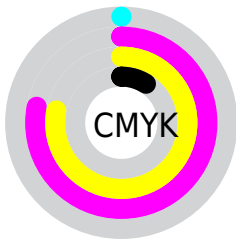
Blue (20%)



Red (91%)

Yellow (20%)

Blue (20%)

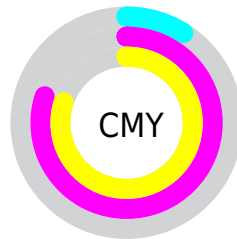


Cyan (0%)

Magenta (78%)

Yellow (78%)

Black (9%)



Cyan (9%)


Magenta (80%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7364, 19.5956, 5.0835 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 34.7364, 19.5956, 5.0835 by changing the saturation by 10% instead.


 34.7364, 19.5956,
5.0835


 34.7364, 19.5956,
5.0835


314.9317,
249.7174, 159.5991


 23.6255, 12.1014,
2.2367


 66.4139, 42.7381,
16.4402

 15.1792, 6.8128,
0.6955


 87.7112, 59.1553,
25.7873


 9.0324, 3.3453,
0.0000


 113.1347, 79.3155,
38.1381

 4.8196, 1.3146,
0.0000

 143.0496,
103.6033, 53.9114

 2.1755, 0.1524,
0.0000

 177.8215,
132.4030, 73.5256

 0.7298, 0.0000,
0.0000

 217.8155,

 0.0000, 0.0000,

166.0990, 97.3993

0.0000

263.3971,
205.0756, 125.9509

■ 34.7364, 19.5956,
5.0835

■ 34.7364, 19.5956,
5.0835

■ 33.5765, 17.8988,
2.7775

■ 36.6506, 22.3973,
8.8878

■ 33.0334, 17.1039,
1.6982


■ 39.4161, 26.4441,
14.3851


■ 32.9550, 16.9892,
1.5423


■ 43.1170, 31.8597,
21.7421


■ 47.8269, 38.7516,
31.1050

■ 53.6120, 47.2170,
42.6057

 60.5332, 57.3445,
56.3647

 68.6463, 69.2163,
72.4936

 78.0040, 82.9091,
91.0967

 86.7648, 95.7288,
108.5123

Harmonies

Analogous

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



38.6939, 19.5956, 18.8478



34.7364, 19.5956, 5.0835



26.4460, 19.5956, 1.1913

Triad

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



34.7364, 19.5956, 5.0835



7.9484, 19.5956, 7.0115



19.5448, 19.5956, 102.9832

Complementary

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



34.7364, 19.5956, 5.0835



44.3608, 63.6169, 85.5421

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.



12.5215, 19.5956, 90.3413



34.7364, 19.5956, 5.0835



7.0684, 19.5956, 24.0347

Square

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



34.7364, 19.5956, 5.0835



11.3565, 19.5956, 1.6115



8.4726, 19.5956, 56.0809



28.4762, 19.5956, 83.7256

Rectangle

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



34.7364, 19.5956, 5.0835



20.4693, 19.5956, 0.6172



8.4726, 19.5956, 56.0809



16.8950, 19.5956, 102.3538

Sweetspot

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



34.7368, 19.5968, 5.0838



71.0637, 64.9015, 61.2154



48.5624, 25.1260, 77.8911



14.5602, 12.9399, 11.8097



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.



34.7368, 19.5968, 5.0838



41.5037, 21.6461, 2.4538



43.0772, 36.2776, 7.8639



14.3771, 14.3682, 14.9200



18.4752, 9.5245, 0.8647



1.3653, 0.7039, 0.0639

Inverse Universe

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



44.3608, 63.6169, 85.5421



54.0059, 78.8321, 106.9775



25.3139, 25.5231, 79.1931



14.8074, 16.3362, 18.5171



24.1035, 35.2690, 47.9204



1.7812, 2.6063, 3.5412

Previews

White Background



This preview shows how the XYZ color 34.7364, 19.5956, 5.0835 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 34.7364, 19.5956, 5.0835 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 34.7364, 19.5956, 5.0835

Background



This preview shows how black text looks on a background with the XYZ color 34.7364, 19.5956, 5.0835.



This preview shows how white text looks on a background with the XYZ color 34.7364, 19.5956,

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

34.7364, 19.5956, 5.0835

Protanopia

18.2443, 19.7847, 8.9881

Deuteranopia

20.0216, 19.7262, 4.5025



Tritanopia

34.7587, 19.6045, 5.2009

Trichromacy



Original Color

34.7364, 19.5956, 5.0835

Protanomaly

21.7777, 17.4656, 7.0739

Deuteranomaly

23.6237, 17.9410, 4.4083

Tritanomaly

34.7587, 19.6045, 5.2009

Monochromacy



Original Color

34.7364, 19.5956, 5.0835

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

17.6507, 13.7322, 10.3146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7364, 19.5956, 5.0835 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, 51, 51)` looks like.

```
.text, #text, p{  
    color:rgb(231, 51, 51)  
}
```

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, 51, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 51, 51) }
```

Border

The CSS property to change the border of an element to XYZ 34.7364, 19.5956, 5.0835 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, 51, 51) }
```


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

```
.border{ border-color:rgb(231, 51, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 51, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 51, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 51, 51);  
box-shadow:4px 4px 4px 4px rgb(231, 51,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7364, 19.5956, 5.0835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 51, 51) }
```

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

```
.background{ background-color: rgb(231, 51,  
51) }
```

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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