

Converting Colors

XYZ(35.7930, 19.9015, 4.6438)

Have a look what the booklet for
XYZ(35.7930, 19.9015, 4.6438)
contains.

XYZ(35.7906, 19.9004, 4.6441)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.7906, 19.9004,
4.6441)**

Conversions

Conversions Part 1

Format	Color
Hex	EB2F2F
RGB	235, 47, 47
RGB Percent	92%, 18%, 18%
CMY	0.0784, 0.8156, 0.8157
CMYK	0.00, 0.80, 0.80, 0.08
HSL	0°, 82%, 55%
HSV	0°, 80%, 92%
XYZ	35.7906, 19.9004, 4.6441
YIQ	103.2120, 112.0480, 39.8560

Conversions

Conversions Part 2

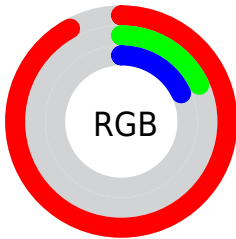
Format	Color
RYB	235, 47, 47
Decimal	15413039
CIELab	51.72, 69.15, 46.89
CIELCh	52, 83.543, 34.141
Yxy	19.9004, 0.5932, 0.3298
Android (android.graphics.Color)	4293603119 (0xFFEB2F2F)
YUV	103.2120, -27.7125, 115.5781
Hunter-Lab	44.6099, 65.1437, 25.0545

Details

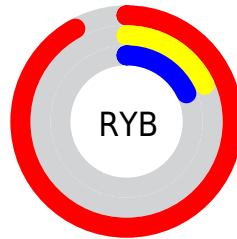
The XYZ color **35.7906, 19.9004, 4.6441** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **45.8714, 66.0100, 88.9204**, and the grayscale version is **13.0004, 13.6775, 14.8948**.

A 20% lighter version of the original color is **48.9900, 33.4551, 14.7019**, and **16.5830, 8.5482, 0.8047** is the 20% darker color. If you saturate the color by 10%, you get **34.7373, 18.3595, 2.5501**, and if you desaturate by 10%, it is **37.6046, 22.5555, 8.2492**.

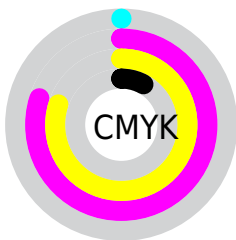
Distribution



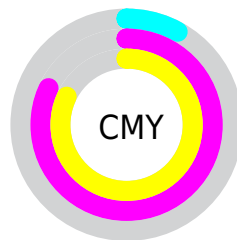
- Red (92%)
- Green (18%)
- Blue (18%)



- Red (92%)
- Yellow (18%)
- Blue (18%)



- Cyan (0%)
- Magenta (80%)
- Yellow (80%)
- Black (8%)





- Cyan (8%)
- Magenta (82%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7906, 19.9004, 4.6441 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 35.7906, 19.9004, 4.6441 by changing the saturation by 10% instead.

 35.7906, 19.9004,
4.6441


 35.7906, 19.9004,
4.6441

319.4916,
251.3754, 155.1360


 24.4419, 12.3227,
1.9849


 68.0347, 43.2501,
15.4699

 15.7882, 6.9638,
0.5460


 89.6608, 59.7909,
24.4737

 9.4643, 3.4395,
0.0000


 115.4435, 80.0882,
36.4294

 5.1048, 1.3653,
0.0000

 145.7479,
104.5263, 51.7556

 2.3443, 0.1909,
0.0000

 180.9396,
133.4897, 70.8708

 0.8172, 0.0000,
0.0000

 221.3839,

 0.0000, 0.0000,

167.3628, 94.1936

0.0000

267.4461,
206.5299, 122.1425

■ 35.7906, 19.9004,
4.6441

■ 35.7906, 19.9004,
4.6441

■ 34.7373, 18.3595,
2.5501

■ 37.6046, 22.5555,
8.2492

■ 34.2610, 17.6625,
1.6035


■ 40.2850, 26.4778,
13.5773


■ 34.2610, 17.6625,
1.6034


■ 43.9221, 31.8000,
20.8074


■ 48.5946, 38.6373,
30.0960

■ 54.3731, 47.0930,
41.5834

 61.3220, 57.2611,
55.3976

 69.5007, 69.2288,
71.6567

 78.9646, 83.0770,
90.4710

 88.0708, 96.4021,
108.5734

Harmonies

Analogous

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



40.1753, 19.9004, 18.4799



35.7906, 19.9004, 4.6441



26.9186, 19.9004, 0.9790

Triad

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



35.7906, 19.9004, 4.6441



7.7416, 19.9004, 7.0548



20.1119, 19.9004, 109.0325

Complementary

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



35.7906, 19.9004, 4.6441



45.8714, 66.0100, 88.9204

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.



12.6791, 19.9004, 96.2495



35.7906, 19.9004, 4.6441



6.9010, 19.9004, 25.2035

Square

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



35.7906, 19.9004, 4.6441



11.1860, 19.9004, 1.4698



8.4062, 19.9004, 59.6553



29.5714, 19.9004, 87.4556

Rectangle

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



35.7906, 19.9004, 4.6441



20.6213, 19.9004, 0.4246



8.4062, 19.9004, 59.6553



17.3051, 19.9004, 108.6762

Sweetspot

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



35.7910, 19.9016, 4.6444



70.2036, 63.6429, 59.5054



50.2726, 25.6933, 80.9065



14.3958, 12.6994, 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.



35.7910, 19.9016, 4.6444



41.4068, 21.5042, 2.2612



44.2988, 36.9171, 7.4803



15.0656, 15.0543, 15.6304



19.0679, 9.8301, 0.8924



1.4973, 0.7720, 0.0701

Inverse Universe

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



45.8714, 66.0100, 88.9204



53.9313, 78.7930, 106.9738



25.6925, 25.6522, 82.1941



15.5176, 17.1217, 19.4092



24.8767, 36.4003, 49.4578



1.9534, 2.8584, 3.8836

Previews

White Background



This preview shows how the XYZ color 35.7906, 19.9004, 4.6441 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 35.7906, 19.9004, 4.6441 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 35.7906, 19.9004, 4.6441

Background



This preview shows how black text looks on a background with the XYZ color 35.7906, 19.9004, 4.6441.



This preview shows how white text looks on a background with the XYZ color 35.7906, 19.9004,

4.6441.

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

35.7906, 19.9004, 4.6441

Protanopia

18.4044, 20.0669, 8.3721

Deuteranopia

20.4361, 20.1237, 4.1035



Tritanopia

35.7906, 19.9004, 4.6441

Trichromacy



Original Color

35.7906, 19.9004, 4.6441

Protanomaly

22.0117, 17.4626, 6.4854

Deuteranomaly

24.1687, 18.1022, 3.9705

Tritanomaly

35.7906, 19.9004, 4.6441

Monochromacy



Original Color

35.7906, 19.9004, 4.6441

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

17.4171, 13.3904, 9.8502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7906, 19.9004, 4.6441 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(235, 47, 47)` looks like.

```
.text, #text, p{  
    color:rgb(235, 47, 47)  
}
```

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(235, 47, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 47, 47) }
```

Border

The CSS property to change the border of an element to XYZ 35.7906, 19.9004, 4.6441 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(235, 47, 47) }
```


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

```
.border{ border-color:rgb(235, 47, 47) }
```

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

Here you see how a box with a 4 pixel rgb(235, 47, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 47, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 47, 47);  
box-shadow:4px 4px 4px 4px rgb(235, 47,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7906, 19.9004, 4.6441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 47, 47) }
```

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

```
.background{ background-color: rgb(235, 47,  
47) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor