

Converting Colors

XYZ(36.9400, 20.9617, 5.3685)

Have a look what the booklet for
XYZ(36.9400, 20.9617, 5.3685)
contains.

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Color

**XYZ(36.8641, 20.8908,
5.3382)**

Conversions

Conversions Part 1

Format	Color
Hex	ED3634
RGB	237, 54, 52
RGB Percent	93%, 21%, 20%
CMY	0.0706, 0.7882, 0.7961
CMYK	0.00, 0.77, 0.78, 0.07
HSL	1°, 84%, 57%
HSV	1°, 78%, 93%
XYZ	36.8641, 20.8908, 5.3382
YIQ	108.4890, 109.7100, 38.1740

Conversions

Conversions Part 2

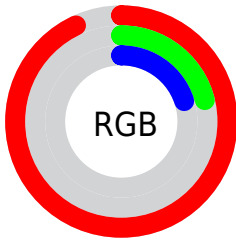
Format	Color
RYB	237, 54, 52
Decimal	15545908
CIELab	52.83, 67.95, 45.47
CIELCh	53, 81.766, 33.789
Yxy	20.8908, 0.5843, 0.3311
Android (android.graphics.Color)	4293735988 (0xFFED3634)
YUV	108.4890, -27.8491, 112.7041
Hunter-Lab	45.7065, 63.9812, 25.0699

Details

The XYZ color **36.8641, 20.8908, 5.3382** 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 **46.4064, 66.2528, 90.4625**, and the grayscale version is **14.4475, 15.1999, 16.5527**.

A 20% lighter version of the original color is **49.7856, 34.6709, 16.1247**, and **17.0516, 8.7860, 0.9982** is the 20% darker color. If you saturate the color by 10%, you get **35.6170, 19.0475, 2.9169**, and if you desaturate by 10%, it is **38.9049, 23.8940, 9.3445**.

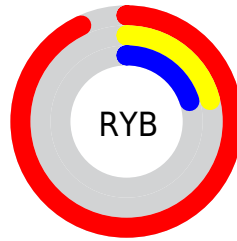
Distribution



Red (93%)

Green (21%)

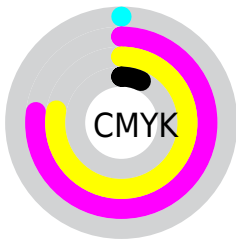
Blue (20%)



Red (93%)

Yellow (21%)

Blue (20%)

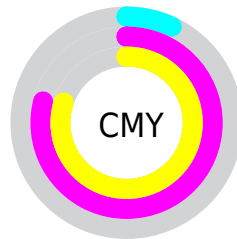


Cyan (0%)

Magenta (77%)

Yellow (78%)

Black (7%)



Cyan (7%)


Magenta (79%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8641, 20.8908, 5.3382 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 36.8641, 20.8908, 5.3382 by changing the saturation by 10% instead.

 36.8641, 20.8908,
5.3382


 36.8641, 20.8908,
5.3382


324.0875,
256.6976, 162.1057


 25.2755, 13.0442,
2.3848

 69.6789, 44.9057,
16.9943

 16.4122, 7.4590,
0.7782


 91.6358, 61.8428,
26.5341

 9.9090, 3.7508,
0.0000


 117.7795, 82.5789,
39.1065

 5.4005, 1.5351,
0.0000

 148.4754,
107.4984, 55.1299

 2.5213, 0.3133,
0.0000

 184.0888,
136.9856, 75.0231

 0.9060, 0.0000,
0.0000

 224.9850,

 0.0000, 0.0000,

171.4249, 99.2044

0.0000

271.5295,
211.2008, 128.0924

■ 36.8641, 20.8908,
5.3382

■ 36.8641, 20.8908,
5.3382

■ 35.6170, 19.0475,
2.9169

■ 38.9049, 23.8940,
9.3445

■ 35.0275, 18.1693,
1.7930


■ 41.8400, 28.2007,
15.1431


■ 34.9529, 18.0604,
1.6438


■ 45.7567, 33.9378,
22.9110


■ 50.7315, 41.2164,
32.8035

■ 56.8334, 50.1364,
44.9608

 64.1254, 60.7894,
59.5108

 72.6662, 73.2602,
76.5721

 82.5103, 87.6281,
96.2552

 88.7349, 96.7444,
108.6045

Harmonies

Analogous

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



41.1551, 20.8908, 19.7790



36.8641, 20.8908, 5.3382



28.0257, 20.8908, 1.2664

Triad

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



36.8641, 20.8908, 5.3382



8.4688, 20.8908, 7.6584



20.9608, 20.8908, 109.3066

Complementary

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



36.8641, 20.8908, 5.3382



46.4064, 66.2528, 90.4625

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.



13.4518, 20.8908, 96.3777



36.8641, 20.8908, 5.3382



7.5667, 20.8908, 25.9969

Square

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



36.8641, 20.8908, 5.3382



12.0539, 20.8908, 1.7755



9.0985, 20.8908, 60.1935



30.4570, 20.8908, 88.4695

Rectangle

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



36.8641, 20.8908, 5.3382



21.6858, 20.8908, 0.6852



9.0985, 20.8908, 60.1935



18.1323, 20.8908, 108.8140

Sweetspot

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



36.8646, 20.8921, 5.3385



71.2073, 65.1888, 61.2633



51.4389, 26.5749, 82.5386



14.5936, 13.0067, 11.8208



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.



36.8646, 20.8921, 5.3385



41.5432, 21.7250, 2.4670



45.5939, 38.3507, 8.2483



15.0786, 15.0803, 15.6348



19.0892, 9.8726, 0.8995



1.5036, 0.7845, 0.0722

Inverse Universe

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



46.4064, 66.2528, 90.4625



53.1851, 77.1904, 106.7038



26.7514, 26.9428, 83.9108



15.5028, 17.0921, 19.4043



24.4816, 35.6101, 49.3261



1.9269, 2.8053, 3.8748

Previews

White Background



This preview shows how the XYZ color 36.8641, 20.8908, 5.3382 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 36.8641, 20.8908, 5.3382 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 36.8641, 20.8908, 5.3382

Background



This preview shows how black text looks on a background with the XYZ color 36.8641, 20.8908, 5.3382.



This preview shows how white text looks on a background with the XYZ color 36.8641, 20.8908,

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

36.8641, 20.8908, 5.3382

Protanopia

19.4394, 21.1488, 9.3609

Deuteranopia

21.3644, 20.9438, 4.7503



Tritanopia

36.9338, 20.9187, 5.7055

Trichromacy



Original Color

36.8641, 20.8908, 5.3382

Protanomaly

23.1905, 18.6100, 7.3708

Deuteranomaly

25.1124, 19.1050, 4.6496

Tritanomaly

36.9101, 20.9092, 5.5805

Monochromacy



Original Color

36.8641, 20.8908, 5.3382

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

18.7687, 14.6526, 11.0715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8641, 20.8908, 5.3382 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(237, 54, 52)` looks like.

```
.text, #text, p{  
  color:rgb(237, 54, 52)  
}
```

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(237, 54, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 54, 52) }
```

Border

The CSS property to change the border of an element to XYZ 36.8641, 20.8908, 5.3382 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(237, 54, 52) }
```


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

```
.border{ border-color:rgb(237, 54, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 54, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 54, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 54, 52);  
box-shadow:4px 4px 4px 4px rgb(237, 54,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8641, 20.8908, 5.3382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 54, 52) }
```

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

```
.background{ background-color: rgb(237, 54,  
52) }
```

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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