

Converting Colors

XYZ(36.4547, 20.2428, 4.6752)

Have a look what the booklet for
XYZ(36.4547, 20.2428, 4.6752)
contains.

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Color

**XYZ(36.4547, 20.2428,
4.6752)**

Conversions

Conversions Part 1

Format	Color
Hex	ED2F2F
RGB	237, 47, 47
RGB Percent	93%, 18%, 18%
CMY	0.0706, 0.8156, 0.8157
CMYK	0.00, 0.80, 0.80, 0.07
HSL	0°, 84%, 56%
HSV	0°, 80%, 93%
XYZ	36.4547, 20.2428, 4.6752
YIQ	103.8100, 113.2400, 40.2800

Conversions

Conversions Part 2

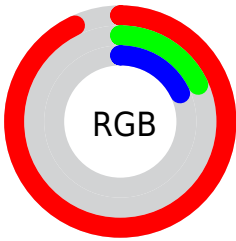
Format	Color
RYB	237, 47, 47
Decimal	15544111
CIELab	52.11, 69.70, 47.40
CIElCh	52, 84.289, 34.217
Yxy	20.2428, 0.5940, 0.3298
Android (android.graphics.Color)	4293734191 (0xFFED2F2F)
YUV	103.8100, -28.0073, 116.8076
Hunter-Lab	44.9920, 65.8934, 25.3335

Details

The XYZ color **36.4547, 20.2428, 4.6752** 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 **46.7376, 67.2773, 90.6428**, and the grayscale version is **13.1606, 13.8460, 15.0782**.

A 20% lighter version of the original color is **48.9900, 33.4551, 14.7019**, and **17.0187, 8.7728, 0.8251** is the 20% darker color. If you saturate the color by 10%, you get **35.3953, 18.6930, 2.5691**, and if you desaturate by 10%, it is **38.2877, 22.9258, 8.3181**.

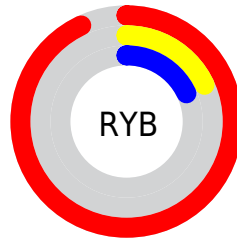
Distribution



Red (93%)

Green (18%)

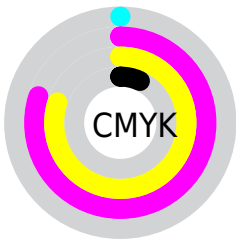
Blue (18%)



Red (93%)

Yellow (18%)

Blue (18%)

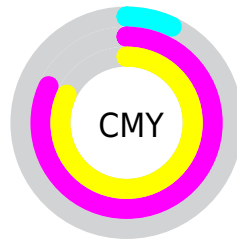


Cyan (0%)

Magenta (80%)

Yellow (80%)

Black (7%)



Cyan (7%)

Magenta (82%)

Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4547, 20.2428, 4.6752 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 36.4547, 20.2428, 4.6752 by changing the saturation by 10% instead.


 36.4547, 20.2428,
4.6752


 36.4547, 20.2428,
4.6752


322.3403,
253.2265, 155.4581

 24.9573, 12.5717,
2.0026


 69.0526, 43.8239,
15.5393


 16.1738, 7.1343,
0.5569


 90.8838, 60.5026,
24.5678

 9.7389, 3.5462,
0.0000


 116.8904, 80.9527,
36.5520

 5.2871, 1.4231,
0.0000

 147.4376,
105.5584, 51.9106

 2.4532, 0.2337,
0.0000

 182.8908,
134.7043, 71.0619

 0.8717, 0.0000,
0.0000

 223.6154,

 0.0000, 0.0000,

168.7747, 94.4246

0.0000

269.9768,
208.1539, 122.4171

■ 36.4547, 20.2428,
4.6752

■ 36.4547, 20.2428,
4.6752

■ 35.3953, 18.6930,
2.5691

■ 38.2877, 22.9258,
8.3181


■ 34.9251, 18.0049,
1.6345


■ 41.0028, 26.8988,
13.7151

■ 44.6923, 32.2978,
21.0494


■ 49.4369, 39.2405,
30.4813

■ 55.3087, 47.8326,
42.1541

 62.3735, 58.1705,
56.1988

 70.6921, 70.3428,
72.7361

 80.3211, 84.4326,
91.8786

 88.7348, 96.7444,
108.6045

Harmonies

Analogous

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



40.9512, 20.2428, 18.7321



36.4547, 20.2428, 4.6752



27.3861, 20.2428, 0.9752

Triad

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



36.4547, 20.2428, 4.6752



7.8433, 20.2428, 7.1715



20.4846, 20.2428, 111.3396

Complementary

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



36.4547, 20.2428, 4.6752



46.7376, 67.2773, 90.6428

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.



12.8946, 20.2428, 98.3483



36.4547, 20.2428, 4.6752



6.9936, 20.2428, 25.7182

Square

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



36.4547, 20.2428, 4.6752



11.3449, 20.2428, 1.4801



8.5325, 20.2428, 60.9508



30.1445, 20.2428, 89.1896

Rectangle

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



36.4547, 20.2428, 4.6752



20.9588, 20.2428, 0.4185



8.5325, 20.2428, 60.9508



17.6182, 20.2428, 111.0070

Sweetspot

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



36.4551, 20.2440, 4.6755



70.2036, 63.6430, 59.5054



51.2274, 26.1519, 82.4681



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.



36.4551, 20.2440, 4.6755



41.4068, 21.5042, 2.2613



45.1110, 37.5557, 7.5608



15.0656, 15.0543, 15.6304



19.0680, 9.8301, 0.8924



1.4973, 0.7720, 0.0701

Inverse Universe

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



46.7376, 67.2773, 90.6428



53.9310, 78.7924, 106.9737



26.1313, 26.0648, 83.7740



15.5176, 17.1217, 19.4092



24.8765, 36.4000, 49.4577



1.9534, 2.8583, 3.8836

Previews

White Background



This preview shows how the XYZ color 36.4547, 20.2428, 4.6752 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 36.4547, 20.2428, 4.6752 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 36.4547, 20.2428, 4.6752

Background



This preview shows how black text looks on a background with the XYZ color 36.4547, 20.2428, 4.6752.



This preview shows how white text looks on a background with the XYZ color 36.4547, 20.2428,

4.6752.

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

36.4547, 20.2428, 4.6752

Protanopia

18.6935, 20.4030, 8.4218

Deuteranopia

20.6174, 20.2187, 4.0442



Tritanopia

36.4547, 20.2428, 4.6752

Trichromacy



Original Color

36.4547, 20.2428, 4.6752

Protanomaly

22.3239, 17.7599, 6.5264

Deuteranomaly

24.3953, 18.2208, 3.9003

Tritanomaly

36.4547, 20.2428, 4.6752

Monochromacy



Original Color

36.4547, 20.2428, 4.6752

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

17.6035, 13.4864, 9.8590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4547, 20.2428, 4.6752 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, 47, 47)` looks like.

```
.text, #text, p{  
    color:rgb(237, 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(237, 47, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 47, 47) }
```

Border

The CSS property to change the border of an element to XYZ 36.4547, 20.2428, 4.6752 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, 47, 47) }
```


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

```
.border{ border-color:rgb(237, 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(237, 47, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 47, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 47, 47);  
box-shadow:4px 4px 4px 4px rgb(237, 47,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4547, 20.2428, 4.6752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 47, 47) }
```

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

```
.background{ background-color: rgb(237, 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](#).

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