

Converting Colors

XYZ(36.2982, 20.1417, 5.5890)

Have a look what the booklet for
XYZ(36.2982, 20.1417, 5.5890)
contains.

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Color

**XYZ(36.2982, 20.1417,
5.5890)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | EC2F37 |
| RGB | 236, 47, 55 |
| RGB Percent | 93%, 18%, 22% |
| CMY | 0.0745, 0.8156, 0.7843 |
| CMYK | 0.00, 0.80, 0.77, 0.07 |
| HSL | 357°, 83%, 55% |
| HSV | 357°, 80%, 93% |
| XYZ | 36.2982, 20.1417, 5.5890 |
| YIQ | 104.4230, 110.0760, 42.5560 |

Conversions

Conversions Part 2

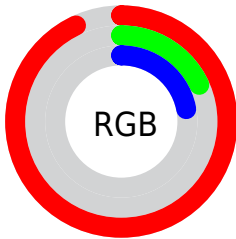
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 236, 47, 55 |
| Decimal | 15478583 |
| CIELab | 52.00, 69.67, 42.91 |
| CIElCh | 52, 81.822, 31.628 |
| Yxy | 20.1417, 0.5852, 0.3247 |
| Android (android.graphics.Color) | 4293668663 (0xFFEC2F37) |
| YUV | 104.4230, -24.3655, 115.3930 |
| Hunter-Lab | 44.8795, 65.8303, 24.0321 |

Details

The XYZ color **36.2982, 20.1417, 5.5890** 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 **45.1741, 66.1976, 83.8065**, and the grayscale version is **13.3162, 14.0097, 15.2565**.

A 20% lighter version of the original color is **49.3726, 33.6082, 16.7168**, and **16.8609, 8.6845, 1.1354** is the 20% darker color. If you saturate the color by 10%, you get **35.1728, 18.5687, 3.1253**, and if you desaturate by 10%, it is **38.1817, 22.8350, 9.5285**.

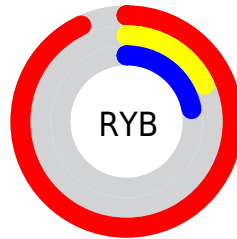
Distribution



Red (93%)

Green (18%)

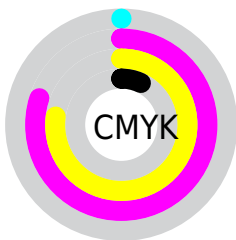
Blue (22%)



Red (93%)

Yellow (18%)

Blue (22%)

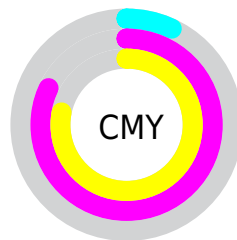


Cyan (0%)

Magenta (80%)

Yellow (77%)

Black (7%)



Cyan (7%)


Magenta (82%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2982, 20.1417, 5.5890 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 36.2982, 20.1417, 5.5890 by changing the saturation by 10% instead.


 36.2982, 20.1417,
5.5890


 36.2982, 20.1417,
5.5890


321.6706,
252.6812, 164.5215


 24.8358, 12.4981,
2.5321


 68.8129, 43.6546,
17.5344


 16.0828, 7.0839,
0.8571


 90.5960, 60.2927,
27.2599

 9.6740, 3.5146,
0.0000


 116.5499, 80.6978,
40.0455

 5.2439, 1.4059,
0.0000

 147.0401,
105.2542, 56.3095

 2.4273, 0.2211,
0.0000

 182.4319,
134.3463, 76.4706

 0.8588, 0.0000,
0.0000

 223.0907,

 0.0000, 0.0000,

168.3586, 100.9472

0.0000

269.3818,
207.6754, 130.1580

■ 36.2982, 20.1417,
5.5890

■ 36.2982, 20.1417,
5.5890

■ 35.1728, 18.5687,
3.1253

■ 38.1817, 22.8350,
9.5285


■ 34.6465, 17.8546,
1.9065


■ 40.9241, 26.8008,
15.1251


■ 44.6119, 32.1716,
22.5347


■ 49.3209, 39.0625,
31.8952

■ 55.1192, 47.5765,
43.3311

 62.0689, 57.8077,
56.9566

 70.2276, 69.8430,
72.8774

 79.6490, 83.7635,
91.1926

 88.4019, 96.5728,
108.5889

Harmonies

Analogous

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



40.0594, 20.1417, 20.6519



36.2982, 20.1417, 5.5890



27.8184, 20.1417, 1.2604

Triad

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



36.2982, 20.1417, 5.5890



8.2182, 20.1417, 6.5475



19.6033, 20.1417, 107.2987

Complementary

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



36.2982, 20.1417, 5.5890



45.1741, 66.1976, 83.8065

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.



12.4912, 20.1417, 92.2233



36.2982, 20.1417, 5.5890



7.1736, 20.1417, 23.2617

Square

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



36.2982, 20.1417, 5.5890



11.9070, 20.1417, 1.4649



8.4802, 20.1417, 55.8989



28.8430, 20.1417, 88.8657

Rectangle

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



36.2982, 20.1417, 5.5890



21.5746, 20.1417, 0.6082



8.4802, 20.1417, 55.8989



16.9033, 20.1417, 105.9477

Sweetspot

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



36.2986, 20.1429, 5.5893



70.4951, 63.7577, 61.0459



47.6943, 24.3483, 81.5424



14.4632, 12.7260, 11.8392



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.



36.2986, 20.1429, 5.5893



41.4819, 21.5339, 2.6575



43.3645, 34.5566, 7.0756



15.0913, 15.0644, 15.7659



19.1097, 9.8466, 1.1130



1.5097, 0.7768, 0.1353

Inverse Universe

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



36.2986, 20.1429, 5.5893



41.4819, 21.5339, 2.6575



27.3730, 28.7802, 83.4689



15.0913, 15.0644, 15.7659



19.1097, 9.8466, 1.1130



1.5097, 0.7768, 0.1353

Previews

White Background



This preview shows how the XYZ color 36.2982, 20.1417, 5.5890 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 36.2982, 20.1417, 5.5890 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 36.2982, 20.1417, 5.5890

Background



This preview shows how black text looks on a background with the XYZ color 36.2982, 20.1417, 5.5890.



This preview shows how white text looks on a background with the XYZ color 36.2982, 20.1417,

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

36.2982, 20.1417, 5.5890

Protanopia

18.8621, 20.4515, 10.1611

Deuteranopia

20.6067, 20.1920, 5.0018



Tritanopia

36.1825, 20.1602, 4.7806

Trichromacy



Original Color

36.2982, 20.1417, 5.5890

Protanomaly

22.3934, 17.7622, 8.0425

Deuteranomaly

24.3478, 18.1738, 4.9139

Tritanomaly

36.2466, 20.1858, 5.1178

Monochromacy



Original Color

36.2982, 20.1417, 5.5890

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

17.7219, 13.5338, 10.4823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2982, 20.1417, 5.5890 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(236, 47, 55)` looks like.

```
.text, #text, p{  
    color:rgb(236, 47, 55)  
}
```

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(236, 47, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 47, 55) }
```

Border

The CSS property to change the border of an element to XYZ 36.2982, 20.1417, 5.5890 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(236, 47, 55) }
```


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

```
.border{ border-color:rgb(236, 47, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 47, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 47, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 47, 55);  
box-shadow:4px 4px 4px 4px rgb(236, 47,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2982, 20.1417, 5.5890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 47, 55) }
```

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

```
.background{ background-color: rgb(236, 47,  
55) }
```

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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