

Converting Colors

XYZ(36.4775, 19.8889, 5.6706)

Have a look what the booklet for
XYZ(36.4775, 19.8889, 5.6706)
contains.

XYZ(36.4318, 19.8759, 5.6576)	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(36.4318, 19.8759,
5.6576)**

Conversions

Conversions Part 1

Format	Color
Hex	ED2938
RGB	237, 41, 56
RGB Percent	93%, 16%, 22%
CMY	0.0706, 0.8391, 0.7804
CMYK	0.00, 0.83, 0.76, 0.07
HSL	355°, 84%, 55%
HSV	355°, 83%, 93%
XYZ	36.4318, 19.8759, 5.6576
YIQ	101.3140, 112.0010, 46.2170

Conversions

Conversions Part 2

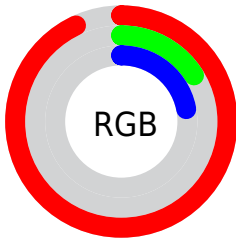
Format	Color
RYB	237, 41, 56
Decimal	15542584
CIELab	51.70, 71.41, 42.09
CIELCh	52, 82.888, 30.514
Yxy	19.8759, 0.5879, 0.3208
Android (android.graphics.Color)	4293732664 (0xFFED2938)
YUV	101.3140, -22.3398, 118.9966
Hunter-Lab	44.5824, 67.8473, 23.6837

Details

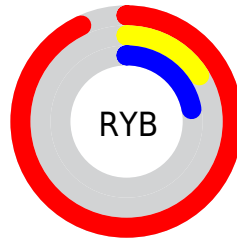
The XYZ color **36.4318, 19.8759, 5.6576** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **44.3865, 66.3147, 79.5806**, and the grayscale version is **12.4888, 13.1392, 14.3086**.

A 20% lighter version of the original color is **49.1013, 32.9846, 16.8754**, and **17.0859, 8.7997, 1.1788** is the 20% darker color. If you saturate the color by 10%, you get **35.4206, 18.5314, 3.2319**, and if you desaturate by 10%, it is **38.1702, 22.3013, 9.4796**.

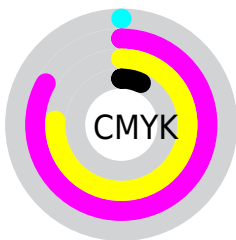
Distribution



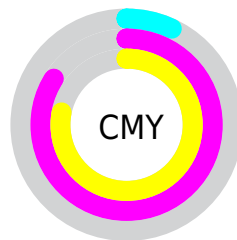
- Red (93%)
- Green (16%)
- Blue (22%)



- Red (93%)
- Yellow (16%)
- Blue (22%)



- Cyan (0%)
- Magenta (83%)
- Yellow (76%)
- Black (7%)





- Cyan (7%)
- Magenta (84%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4318, 19.8759, 5.6576 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 36.4318, 19.8759, 5.6576 by changing the saturation by 10% instead.


 36.4318, 19.8759,
5.6576

 36.4318, 19.8759,
5.6576


322.2424,
251.2425, 165.1737

 24.9395, 12.3049,
2.5726


 69.0175, 43.2090,
17.6812


 16.1605, 6.9517,
0.8783


 90.8417, 59.7399,
27.4569


 9.7294, 3.4319,
0.0000


 116.8406, 80.0262,
40.2999

 5.2808, 1.3611,
0.0000

 147.3794,
104.4523, 56.6288

 2.4494, 0.1878,
0.0000

 182.8237,
133.4026, 76.8621

 0.8698, 0.0000,
0.0000

 223.5387,

 0.0000, 0.0000,

167.2614, 101.4183

0.0000

269.8898,
206.4133, 130.7160

■ 36.4318, 19.8759,
5.6576

■ 36.4318, 19.8759,
5.6576

■ 35.4206, 18.5314,
3.2319

■ 38.1702, 22.3013,
9.4796


■ 35.0350, 18.0485,
2.2144


■ 40.7385, 25.9686,
14.8653


■ 44.2242, 31.0158,
21.9595


■ 48.7034, 37.5617,
30.8901

■ 54.2442, 45.7122,
41.7727

 60.9084, 55.5637,
54.7136

 68.7536, 67.2049,
69.8114

 77.8329, 80.7185,
87.1580

 88.1965, 96.1818,
106.8404

Harmonies

Analogous

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



39.9956, 19.8759, 21.2301



36.4318, 19.8759, 5.6576



27.9750, 19.8759, 1.2047

Triad

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



36.4318, 19.8759, 5.6576



8.0571, 19.8759, 5.9559



19.0364, 19.8759, 108.2363

Complementary

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



36.4318, 19.8759, 5.6576



44.3865, 66.3147, 79.5806

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.



12.0237, 19.8759, 91.6992



36.4318, 19.8759, 5.6576



6.9328, 19.8759, 22.0581

Square

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



36.4318, 19.8759, 5.6576



11.8394, 19.8759, 1.2660



8.1393, 19.8759, 54.5086



28.3016, 19.8759, 90.6194

Rectangle

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



36.4318, 19.8759, 5.6576



21.6707, 19.8759, 0.5158



8.1393, 19.8759, 54.5086



16.3606, 19.8759, 106.4085

Sweetspot

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



36.4322, 19.8771, 5.6579



69.9032, 62.6219, 60.7010



45.7973, 23.0216, 82.1501



14.3597, 12.5127, 11.8235



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.



36.4322, 19.8771, 5.6579



41.4110, 21.3727, 2.6941



42.3684, 32.2507, 6.0915



15.1122, 15.0727, 15.8761



19.1460, 9.8611, 1.3041



1.5197, 0.7808, 0.1882

Inverse Universe

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



36.4322, 19.8771, 5.6579



41.4110, 21.3727, 2.6941



27.9793, 30.1425, 84.4637



15.1122, 15.0727, 15.8761



19.1460, 9.8611, 1.3041



1.5197, 0.7808, 0.1882

Previews

White Background



This preview shows how the XYZ color 36.4318, 19.8759, 5.6576 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 36.4318, 19.8759, 5.6576 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 36.4318, 19.8759, 5.6576

Background



This preview shows how black text looks on a background with the XYZ color 36.4318, 19.8759, 5.6576.



This preview shows how white text looks on a background with the XYZ color 36.4318, 19.8759,

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

36.4318, 19.8759, 5.6576

Protanopia

18.6845, 20.1603, 10.6911

Deuteranopia

20.4139, 20.0926, 4.9928



Tritanopia

36.2250, 19.9067, 4.2186

Trichromacy



Original Color

36.4318, 19.8759, 5.6576

Protanomaly

22.1857, 17.2439, 8.2900

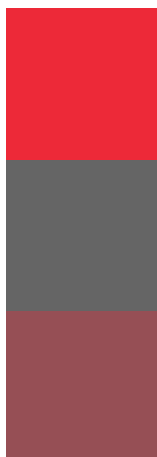
Deuteranomaly

24.1768, 17.8319, 4.8570

Tritanomaly

36.2865, 19.8739, 4.7198

Monochromacy



Original Color

36.4318, 19.8759, 5.6576

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

17.0134, 12.7319, 10.1551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4318, 19.8759, 5.6576 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, 41, 56)` looks like.

```
.text, #text, p{  
    color:rgb(237, 41, 56)  
}
```

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, 41, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 41, 56) }
```

Border

The CSS property to change the border of an element to XYZ 36.4318, 19.8759, 5.6576 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, 41, 56) }
```


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

```
.border{ border-color:rgb(237, 41, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 41, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 41, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 41, 56);  
box-shadow:4px 4px 4px 4px rgb(237, 41,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4318, 19.8759, 5.6576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 41, 56) }
```

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

```
.background{ background-color: rgb(237, 41,  
56) }
```

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