

Converting Colors

XYZ(37.0819, 20.8641, 3.1961)

Have a look what the booklet for
XYZ(37.0819, 20.8641, 3.1961)
contains.

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Color

**XYZ(36.9900, 20.8022,
3.1642)**

Conversions

Conversions Part 1

Format	Color
Hex	EF331C
RGB	239, 51, 28
RGB Percent	94%, 20%, 11%
CMY	0.0627, 0.7999, 0.8902
CMYK	0.00, 0.79, 0.88, 0.06
HSL	7°, 87%, 52%
HSV	7°, 88%, 94%
XYZ	36.9900, 20.8022, 3.1642
YIQ	104.5900, 119.4310, 32.7030

Conversions

Conversions Part 2

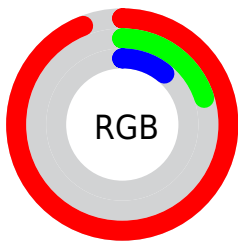
Format	Color
R_{YB}	239, 54, 28
Decimal	15676188
CIE Lab	52.73, 68.79, 57.01
CIE LCh	53, 89.346, 39.653
Yxy	20.8022, 0.6068, 0.3413
Android (android.graphics.Color)	4293866268 (0xFFEF331C)
YUV	104.5900, -37.7589, 117.8776
Hunter-Lab	45.6094, 64.9499, 27.8133

Details

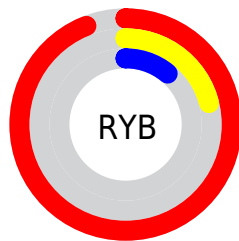
The XYZ color **36.9900, 20.8022, 3.1642** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **40.6103, 55.5820, 90.2487**, and the grayscale version is **13.3944, 14.0920, 15.3462**.

A 20% lighter version of the original color is **48.5969, 33.8304, 10.9898**, and **17.2336, 8.8842, 0.8065** is the 20% darker color. If you saturate the color by 10%, you get **36.0761, 19.2742, 1.9366**, and if you desaturate by 10%, it is **38.5513, 23.2724, 5.6972**.

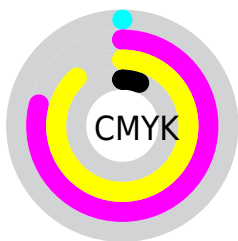
Distribution



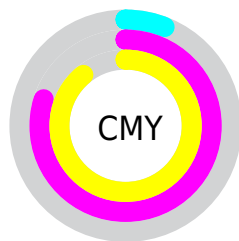
- Red (94%)
- Green (20%)
- Blue (11%)



- Red (94%)
- Yellow (21%)
- Blue (11%)



- Cyan (0%)
- Magenta (79%)
- Yellow (88%)
- Black (6%)





- Cyan (6%)
- Magenta (80%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9900, 20.8022, 3.1642 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 36.9900, 20.8022, 3.1642 by changing the saturation by 10% instead.


 36.9900, 20.8022,
3.1642


 36.9900, 20.8022,
3.1642


324.6235,
256.2254, 138.4252


 25.3734, 12.9795,
1.1791


 69.8713, 44.7581,
12.0310

 16.4857, 7.4144,
0.0000


 91.8668, 61.6601,
19.7497

 9.9615, 3.7226,
0.0000


 118.0525, 82.3573,
30.2168

 5.4355, 1.5196,
0.0000

 148.7939,
107.2341, 43.8506

 2.5423, 0.3025,
0.0000

 184.4564,
136.6750, 61.0699


 0.9167, 0.0000,
0.0000


 225.4052,


 0.0000, 0.0000,


171.0642, 82.2930


0.0000


 272.0058,
210.7862, 107.9386


 36.9900, 20.8022,
3.1642


 36.9900, 20.8022,
3.1642


 36.0761, 19.2742,
1.9366


 38.5513, 23.2724,
5.6972


 35.9672, 19.0925,
1.7895

 40.8613, 26.8044,
9.8213


 44.0008, 31.5024,
15.7421

 48.0398, 37.4570,
23.6344

 53.0406, 44.7498,
33.6520

 59.0599, 53.4557,
45.9334

 66.1503, 63.6437,
60.6056

 74.3603, 75.3785,
77.7861

 83.7357, 88.7209,
97.5844

Harmonies

Analogous

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



43.1697, 20.8022, 15.0999



36.9900, 20.8022, 3.1642



26.6668, 20.8022, 0.4996

Triad

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



36.9900, 20.8022, 3.1642



7.2952, 20.8022, 9.0985



22.9256, 20.8022, 119.9960

Complementary

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



36.9900, 20.8022, 3.1642



40.6103, 55.5820, 90.2487

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.



14.1814, 20.8022, 112.6414



36.9900, 20.8022, 3.1642



6.8602, 20.8022, 32.3723

Square

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



36.9900, 20.8022, 3.1642



10.4126, 20.8022, 1.6723



8.9496, 20.8022, 73.5940



33.5249, 20.8022, 89.4209

Rectangle

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



36.9900, 20.8022, 3.1642



19.8804, 20.8022, 0.1100



8.9496, 20.8022, 73.5940



19.6637, 20.8022, 122.2110

Sweetspot

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



36.9904, 20.8035, 3.1645



70.1174, 64.3703, 56.7027



48.6533, 24.2378, 68.3746



14.4395, 12.9587, 10.9673



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.



36.9904, 20.8035, 3.1645



41.6509, 22.0818, 2.0670



47.4607, 41.7441, 6.6546



15.9116, 16.0363, 16.4064



19.9221, 10.6423, 1.0042



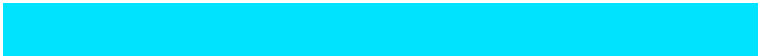
1.7029, 0.9765, 0.0987

Inverse Universe

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



40.6103, 55.5820, 90.2487



45.5696, 62.2591, 104.2232



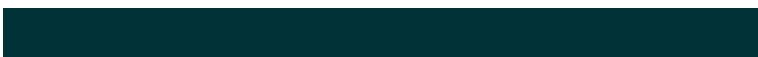
21.8972, 18.1556, 84.0109



16.0915, 17.6172, 20.2739



21.8090, 29.8422, 49.7385



1.8560, 2.5660, 4.1517

Previews

White Background



This preview shows how the XYZ color 36.9900, 20.8022, 3.1642 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 36.9900, 20.8022, 3.1642 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 36.9900, 20.8022, 3.1642

Background



This preview shows how black text looks on a background with the XYZ color 36.9900, 20.8022, 3.1642.



This preview shows how white text looks on a background with the XYZ color 36.9900, 20.8022,

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

36.9900, 20.8022, 3.1642

Protanopia

19.0670, 21.0387, 5.6407

Deuteranopia

21.2137, 20.9065, 2.9173



Tritanopia

37.2493, 20.7691, 4.9513

Trichromacy



Original Color

36.9900, 20.8022, 3.1642

Protanomaly

22.9595, 18.4173, 4.2642

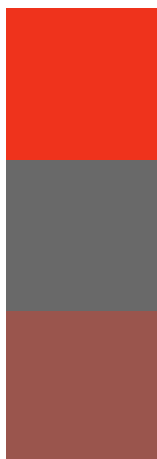
Deuteranomaly

25.1333, 19.0251, 2.6347

Tritanomaly

37.1374, 20.7920, 4.1537

Monochromacy



Original Color

36.9900, 20.8022, 3.1642

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

17.9145, 13.9028, 8.7605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9900, 20.8022, 3.1642 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(239, 51, 28)` looks like.

```
.text, #text, p{  
    color:rgb(239, 51, 28)  
}
```

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(239, 51, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 51, 28) }
```

Border

The CSS property to change the border of an element to XYZ 36.9900, 20.8022, 3.1642 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(239, 51, 28) }
```


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

```
.border{ border-color:rgb(239, 51, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 51, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 51, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 51, 28);  
box-shadow:4px 4px 4px 4px rgb(239, 51,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9900, 20.8022, 3.1642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 51, 28) }
```

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

```
.background{ background-color: rgb(239, 51,  
28) }
```

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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