

Converting Colors

XYZ(36.2768, 20.1951, 1.2240)

Have a look what the booklet for
XYZ(36.2768, 20.1951, 1.2240)
contains.

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Color

**XYZ(36.2369, 20.1311,
1.9758)**

Conversions

Conversions Part 1

Format	Color
Hex	EE2E00
RGB	238, 46, 0
RGB Percent	93%, 18%, 0%
CMY	0.0667, 0.8195, 1.0000
CMYK	0.00, 0.81, 1.00, 0.07
HSL	12°, 100%, 47%
HSV	12°, 100%, 93%
XYZ	36.2369, 20.1311, 1.9758
YIQ	98.1640, 129.1980, 26.3980

Conversions

Conversions Part 2

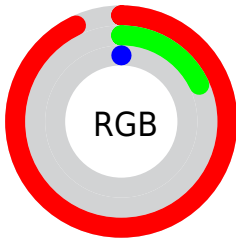
Format	Color
RYB	238, 57, 0
Decimal	15609344
CIELab	51.99, 69.52, 64.66
CIELCh	52, 94.939, 42.927
Yxy	20.1311, 0.6211, 0.3450
Android (android.graphics.Color)	4293799424 (0xFFEE2E00)
YUV	98.1640, -48.3949, 122.6362
Hunter-Lab	44.8677, 65.6451, 28.7965

Details

The XYZ color **36.2369, 20.1311, 1.9758** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **34.2787, 43.8654, 87.5485**, and the grayscale version is **11.7466, 12.3584, 13.4582**.

A 20% lighter version of the original color is **47.6053, 32.7276, 7.9457**, and **17.0133, 8.7707, 0.7962** is the 20% darker color. If you saturate the color by 10%, you get **36.2372, 20.1322, 1.9760**, and if you desaturate by 10%, it is **37.3252, 22.0475, 3.1418**.

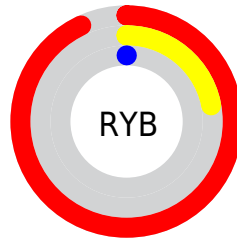
Distribution



Red (93%)

Green (18%)

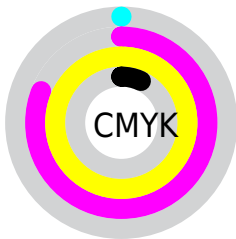
Blue (0%)



Red (93%)

Yellow (22%)

Blue (0%)

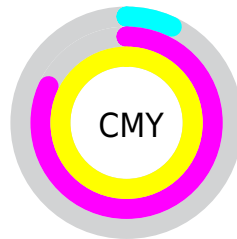


Cyan (0%)

Magenta (81%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (82%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2369, 20.1311, 1.9758 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 36.2369, 20.1311, 1.9758 by changing the saturation by 10% instead.


 36.2369, 20.1311,
1.9758


 36.2369, 20.1311,
1.9758


 321.4080,
252.6240, 121.9999


 24.7882, 12.4904,
0.5403


 68.7190, 43.6369,
8.9745

 16.0472, 7.0786,
0.0000


 90.4832, 60.2707,
15.4340


 9.6486, 3.5113,
0.0000


 116.4165, 80.6710,
24.4249

 5.2271, 1.4041,
0.0000

 146.8843,
105.2223, 36.3657

 2.4172, 0.2198,
0.0000

 182.2520,
134.3088, 51.6751

 0.8537, 0.0000,
0.0000


 222.8850,


 0.0000, 0.0000,


168.3150, 70.7716


0.0000


 269.1485,
207.6252, 94.0737


 36.2369, 20.1311,
1.9758


 36.2369, 20.1311,
1.9758


 36.2372, 20.1322,
1.9760

 37.3252, 22.0475,
3.1418

 38.9875, 24.7923,
5.4840

 41.3213, 28.4599,
9.3446

 44.3939, 33.1259,
14.9288

 48.2639, 38.8577,
22.4099

■ 52.9837, 45.7165,
31.9396

■ 58.6013, 53.7590,
43.6544

■ 65.1606, 63.0378,
57.6789

■ 72.7031, 73.6025,
74.1283

Harmonies

Analogous

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



43.5857, 20.1311, 12.0329



36.2369, 20.1311, 1.9758



25.1297, 20.1311, 0.0000

Triad

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



36.2369, 20.1311, 1.9758



6.2939, 20.1311, 9.7062



23.6032, 20.1311, 125.5926

Complementary

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



36.2369, 20.1311, 1.9758



34.2787, 43.8654, 87.5485

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.



14.1770, 20.1311, 122.4264



36.2369, 20.1311, 1.9758



6.1294, 20.1311, 36.1236

Square

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



36.2369, 20.1311, 1.9758



9.0574, 20.1311, 1.4771



8.4917, 20.1311, 81.8824



34.8001, 20.1311, 88.6185

Rectangle

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



36.2369, 20.1311, 1.9758



18.2000, 20.1311, 0.0000



8.4917, 20.1311, 81.8824



20.0995, 20.1311, 129.7371

Sweetspot

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



36.2373, 20.1324, 1.9761



68.4605, 62.7631, 50.8894



45.0385, 22.0886, 53.1447



14.0312, 12.5463, 9.5852



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.



36.2373, 20.1324, 1.9761



42.3510, 23.4820, 2.3003



48.2919, 44.2415, 5.9943



16.0201, 16.2534, 16.4426



20.2873, 11.3726, 1.1259



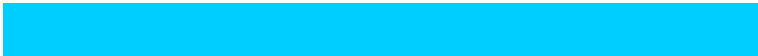
1.7544, 1.0795, 0.1159

Inverse Universe

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



34.2787, 43.8654, 87.5485



40.0486, 51.2172, 102.3829



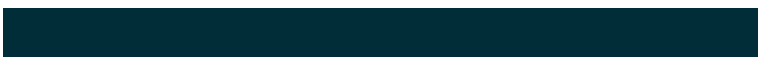
17.9736, 11.2552, 82.1135



15.9725, 17.3792, 20.2343



19.2158, 24.6559, 48.8741



1.6643, 2.1827, 4.0878

Previews

White Background



This preview shows how the XYZ color 36.2369, 20.1311, 1.9758 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 36.2369, 20.1311, 1.9758 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 36.2369, 20.1311, 1.9758

Background



This preview shows how black text looks on a background with the XYZ color 36.2369, 20.1311, 1.9758.



This preview shows how white text looks on a background with the XYZ color 36.2369, 20.1311,

1.9758.

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

36.2369, 20.1311, 1.9758

Protanopia

18.3706, 20.3314, 4.1185

Deuteranopia

20.3831, 20.1250, 2.8102



Tritanopia

36.5417, 20.0721, 4.1388

Trichromacy



Original Color

36.2369, 20.1311, 1.9758

Protanomaly

22.1965, 17.6395, 2.8071

Deuteranomaly

24.0768, 18.0934, 2.2234

Tritanomaly

36.3584, 20.0576, 2.9921

Monochromacy



Original Color

36.2369, 20.1311, 1.9758

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

16.0599, 12.3293, 6.0908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2369, 20.1311, 1.9758 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(238, 46, 0)` looks like.

```
.text, #text, p{  
    color:rgb(238, 46, 0)  
}
```

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(238, 46, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 46, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.2369, 20.1311, 1.9758 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(238, 46, 0) }
```


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

```
.border{ border-color:rgb(238, 46, 0) }
```

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

Here you see how a box with a 4 pixel rgb(238, 46, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 46, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 46, 0);  
box-shadow:4px 4px 4px 4px rgb(238, 46, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.2369, 20.1311, 1.9758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 46, 0) }
```

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

```
.background{ background-color: rgb(238, 46,  
0) }
```

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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