

Converting Colors

XYZ(36.4651, 19.7362, 1.8875)

Have a look what the booklet for
XYZ(36.4651, 19.7362, 1.8875)
contains.

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Color

**XYZ(36.5661, 19.7870,
1.8920)**

Conversions

Conversions Part 1

Format	Color
Hex	F02400
RGB	240, 36, 0
RGB Percent	94%, 14%, 0%
CMY	0.0588, 0.8587, 1.0000
CMYK	0.00, 0.85, 1.00, 0.06
HSL	9°, 100%, 47%
HSV	9°, 100%, 94%
XYZ	36.5661, 19.7870, 1.8920
YIQ	92.8920, 133.1400, 32.0520

Conversions

Conversions Part 2

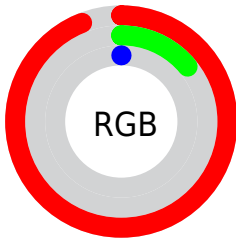
Format	Color
RYB	240, 42, 0
Decimal	15737856
CIELab	51.60, 72.29, 64.74
CIELCh	52, 97.043, 41.847
Yxy	19.7870, 0.6278, 0.3397
Android (android.graphics.Color)	4293927936 (0xFFFF02400)
YUV	92.8920, -45.7958, 129.0137
Hunter-Lab	44.4826, 68.8882, 28.6160

Details

The XYZ color **36.5661, 19.7870, 1.8920** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **37.3157, 49.4665, 90.0188**, and the grayscale version is **10.4635, 11.0084, 11.9881**.

A 20% lighter version of the original color is **47.0810, 31.6789, 7.7709**, and **17.2336, 8.8842, 0.8065** is the 20% darker color. If you saturate the color by 10%, you get **36.5665, 19.7882, 1.8922**, and if you desaturate by 10%, it is **37.5345, 21.4603, 3.0282**.

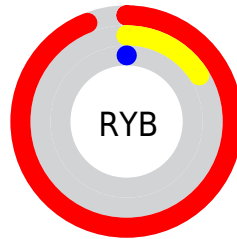
Distribution



Red (94%)

Green (14%)

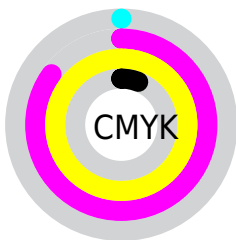
Blue (0%)



Red (94%)

Yellow (16%)

Blue (0%)

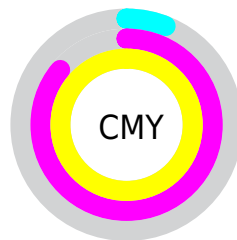


Cyan (0%)

Magenta (85%)

Yellow (100%)

Black (6%)



Cyan (6%)


Magenta (86%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 36.5661, 19.7870, 1.8920 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 36.5661, 19.7870, 1.8920 by changing the saturation by 10% instead.

 36.5661, 19.7870,
1.8920


 36.5661, 19.7870,
1.8920


 322.8164,
250.7597, 120.6766


 25.0439, 12.2403,
0.4876


 69.2231, 43.0598,
8.7434

 16.2386, 6.9076,
0.0000


 91.0886, 59.5547,
15.1017


 9.7851, 3.4044,
0.0000


 117.1325, 79.8011,
23.9732

 5.3179, 1.3463,
0.0000

 147.7203,
104.1834, 35.7763

 2.4716, 0.1766,
0.0000

 183.2172,
133.0860, 50.9297


 0.8810, 0.0000,
0.0000


 223.9886,


 0.0000, 0.0000,


166.8933, 69.8518


0.0000


 270.3999,
205.9898, 92.9613


 36.5661, 19.7870,
1.8920


 36.5661, 19.7870,
1.8920


 36.5665, 19.7882,
1.8922

 37.5345, 21.4603,
3.0282

 39.1096, 24.0209,
5.3716

 41.3993, 27.5823,
9.2730

 44.4793, 32.2357,
14.9443

 48.4152, 38.0614,
22.5643

■ 53.2658, 45.1323,
32.2898

■ 59.0843, 53.5151,
44.2614

■ 65.9200, 63.2720,
58.6078

■ 73.8186, 74.4609,
75.4477

Harmonies

Analogous

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



43.8453, 19.7870, 12.2768



36.5661, 19.7870, 1.8920



25.2902, 19.7870, 0.0000

Triad

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



36.5661, 19.7870, 1.8920



6.0055, 19.7870, 8.7509



22.9348, 19.7870, 128.8018

Complementary

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



36.5661, 19.7870, 1.8920



37.3157, 49.4665, 90.0188

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.



13.5388, 19.7870, 123.8203



36.5661, 19.7870, 1.8920



5.7590, 19.7870, 34.5902

Square

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



36.5661, 19.7870, 1.8920



8.8494, 19.7870, 1.1796



7.9943, 19.7870, 81.0886



34.3360, 19.7870, 91.6451

Rectangle

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



36.5661, 19.7870, 1.8920



18.2077, 19.7870, 0.0000



7.9943, 19.7870, 81.0886



19.4192, 19.7870, 132.5212

Sweetspot

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



36.5665, 19.7883, 1.8923



67.7357, 61.3135, 50.6478



46.8340, 22.8848, 59.0753



13.8649, 12.2137, 9.5298



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.



36.5665, 19.7883, 1.8923



41.9419, 22.6637, 2.1640



47.8234, 42.3021, 5.6446



15.9643, 16.1416, 16.4240



20.0763, 10.9506, 1.0555



1.7279, 1.0264, 0.1071

Inverse Universe

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



37.3157, 49.4665, 90.0188



42.7926, 56.7051, 103.2975



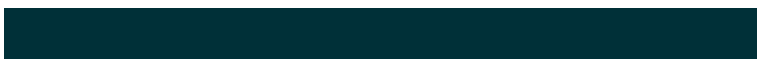
18.8984, 12.6319, 83.8797



16.0335, 17.5010, 20.2546



20.5056, 27.2355, 49.3041



1.7602, 2.3743, 4.1197

Previews

White Background



This preview shows how the XYZ color 36.5661, 19.7870, 1.8920 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 36.5661, 19.7870, 1.8920 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 36.5661, 19.7870, 1.8920

Background



This preview shows how black text looks on a background with the XYZ color 36.5661, 19.7870, 1.8920.



This preview shows how white text looks on a background with the XYZ color 36.5661, 19.7870,

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

36.5661, 19.7870, 1.8920

Protanopia

18.0895, 19.9980, 4.1349

Deuteranopia

20.1887, 20.0248, 2.8011



Tritanopia

36.7545, 19.7682, 3.1748

Trichromacy



Original Color

36.5661, 19.7870, 1.8920

Protanomaly

21.8492, 16.9314, 2.7326

Deuteranomaly

23.9832, 17.5442, 2.1223

Tritanomaly

36.6625, 19.7778, 2.5470

Monochromacy



Original Color

36.5661, 19.7870, 1.8920

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

14.9608, 11.0615, 5.4842

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5661, 19.7870, 1.8920 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(240, 36, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 36, 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(240, 36, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 36, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.5661, 19.7870, 1.8920 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(240, 36, 0) }
```


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

```
.border{ border-color:rgb(240, 36, 0) }
```

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

Here you see how a box with a 4 pixel rgb(240, 36, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 36, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 36, 0);  
box-shadow:4px 4px 4px 4px rgb(240, 36, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.5661, 19.7870, 1.8920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 36, 0) }
```

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

```
.background{ background-color: rgb(240, 36,  
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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