

Converting Colors

XYZ(36.5925, 19.9908, 1.9300)

Have a look what the booklet for
XYZ(36.5925, 19.9908, 1.9300)
contains.

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Color

**XYZ(36.6940, 20.0428,
1.9347)**

Conversions

Conversions Part 1

Format	Color
Hex	F02800
RGB	240, 40, 0
RGB Percent	94%, 16%, 0%
CMY	0.0588, 0.8431, 1.0000
CMYK	0.00, 0.83, 1.00, 0.06
HSL	10°, 100%, 47%
HSV	10°, 100%, 94%
XYZ	36.6940, 20.0428, 1.9347
YIQ	95.2400, 132.0400, 29.9600

Conversions

Conversions Part 2

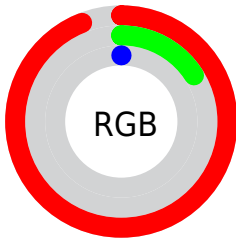
Format	Color
RYB	240, 48, 0
Decimal	15738880
CIELab	51.89, 71.46, 64.85
CIELCh	52, 96.505, 42.225
Yxy	20.0428, 0.6254, 0.3416
Android (android.graphics.Color)	4293928960 (0xFFFF02800)
YUV	95.2400, -46.9533, 126.9545
Hunter-Lab	44.7692, 67.9572, 28.7762

Details

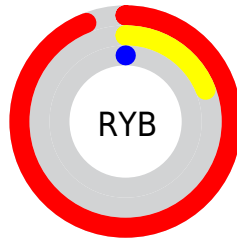
The XYZ color **36.6940, 20.0428, 1.9347** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **36.3785, 47.5919, 89.7064**, and the grayscale version is **11.0241, 11.5983, 12.6305**.

A 20% lighter version of the original color is **47.2871, 32.0912, 7.8396**, and **17.2336, 8.8842, 0.8065** is the 20% darker color. If you saturate the color by 10%, you get **36.6943, 20.0439, 1.9348**, and if you desaturate by 10%, it is **37.7166, 21.8247, 3.0890**.

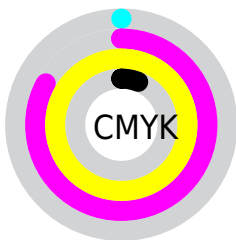
Distribution



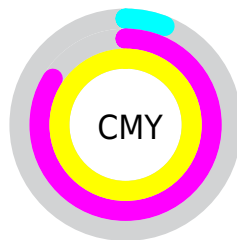
- Red (94%)
- Green (16%)
- Blue (0%)



- Red (94%)
- Yellow (19%)
- Blue (0%)



- Cyan (0%)
- Magenta (83%)
- Yellow (100%)
- Black (6%)





- Cyan (6%)
- Magenta (84%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6940, 20.0428, 1.9347 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 36.6940, 20.0428, 1.9347 by changing the saturation by 10% instead.


 36.6940, 20.0428,
1.9347

 36.6940, 20.0428,
1.9347


 323.3624,
252.1467, 121.3544


 25.1432, 12.4262,
0.5147


 69.4188, 43.4889,
8.8615

 16.3131, 7.0346,
0.0000


 91.3235, 60.0872,
15.2716


 9.8382, 3.4838,
0.0000


 117.4103, 80.4482,
24.2043

 5.3533, 1.3892,
0.0000

 148.0445,
104.9562, 36.0780

 2.4929, 0.2087,
0.0000

 183.5915,
133.9956, 51.3113

 0.8917, 0.0000,
0.0000


 224.4165,


 0.0000, 0.0000,


167.9510, 70.3228


0.0000


 270.8851,
207.2065, 93.5310


 36.6940, 20.0428,
1.9347


 36.6940, 20.0428,
1.9347


 36.6943, 20.0439,
1.9348

 37.7166, 21.8247,
3.0890

 39.3384, 24.4783,
5.4481

 41.6633, 28.1102,
9.3613

 44.7644, 32.8057,
15.0399

 48.7050, 38.6406,
22.6616

■ 53.5416, 45.6836,
32.3826

■ 59.3258, 53.9979,
44.3430

■ 66.1053, 63.6422,
58.6709

■ 73.9242, 74.6716,
75.4844

Harmonies

Analogous

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



44.0467, 20.0428, 12.2725



36.6940, 20.0428, 1.9347



25.4031, 20.0428, 0.0000

Triad

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



36.6940, 20.0428, 1.9347



6.1483, 20.0428, 9.1437



23.3264, 20.0428, 128.5112

Complementary

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



36.6940, 20.0428, 1.9347



36.3785, 47.5919, 89.7064

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.



13.8558, 20.0428, 124.1494



36.6940, 20.0428, 1.9347



5.9287, 20.0428, 35.3650

Square

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



36.6940, 20.0428, 1.9347



8.9833, 20.0428, 1.2889



8.2238, 20.0428, 81.9144



34.7319, 20.0428, 91.1704

Rectangle

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



36.6940, 20.0428, 1.9347



18.3278, 20.0428, 0.0000



8.2238, 20.0428, 81.9144



19.7911, 20.0428, 132.4087

Sweetspot

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



36.6944, 20.0441, 1.9350



68.0127, 61.8676, 50.7401



46.3603, 22.6953, 56.5808



13.9284, 12.3406, 9.5509



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.



36.6944, 20.0441, 1.9350



42.0865, 22.9529, 2.2122



48.5059, 43.6670, 5.8721



15.9857, 16.1846, 16.4311



20.1514, 11.1009, 1.0806



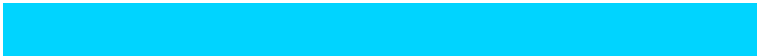
1.7380, 1.0467, 0.1104

Inverse Universe

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



36.3785, 47.5919, 89.7064



41.7141, 54.5483, 102.9380



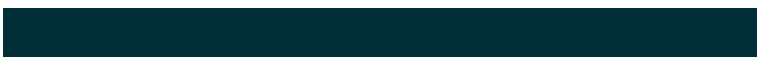
18.5969, 12.0289, 83.7792



16.0100, 17.4541, 20.2468



19.9990, 26.2221, 49.1352



1.7226, 2.2993, 4.1072

Previews

White Background



This preview shows how the XYZ color 36.6940, 20.0428, 1.9347 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 36.6940, 20.0428, 1.9347 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 36.6940, 20.0428, 1.9347

Background



This preview shows how black text looks on a background with the XYZ color 36.6940, 20.0428, 1.9347.



This preview shows how white text looks on a background with the XYZ color 36.6940, 20.0428,

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

36.6940, 20.0428, 1.9347

Protanopia

18.3706, 20.3314, 4.1185

Deuteranopia

20.3831, 20.1250, 2.8102



Tritanopia

36.9317, 20.0328, 3.5103

Trichromacy



Original Color

36.6940, 20.0428, 1.9347

Protanomaly

22.0164, 17.2792, 2.7471

Deuteranomaly

24.1497, 17.8771, 2.1778

Tritanomaly

36.8055, 20.0342, 2.6862

Monochromacy



Original Color

36.6940, 20.0428, 1.9347

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

15.5444, 11.6543, 5.7052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6940, 20.0428, 1.9347 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, 40, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 40, 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, 40, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 40, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.6940, 20.0428, 1.9347 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, 40, 0) }
```


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

```
.border{ border-color:rgb(240, 40, 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, 40, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 40, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 40, 0);  
box-shadow:4px 4px 4px 4px rgb(240, 40, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.6940, 20.0428, 1.9347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 40, 0) }
```

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

```
.background{ background-color: rgb(240, 40,  
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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