

Converting Colors

XYZ(38.8005, 19.9668, 3.4928)

Have a look what the booklet for
XYZ(38.8005, 19.9668, 3.4928)
contains.

XYZ(38.6762, 19.9015, 3.4720)	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(38.6762, 19.9015,
3.4720)**

Conversions

Conversions Part 1

Format	Color
Hex	F70024
RGB	247, 0, 36
RGB Percent	97%, 0%, 14%
CMY	0.0314, 0.9997, 0.8588
CMYK	0.00, 1.00, 0.85, 0.03
HSL	351°, 100%, 48%
HSV	351°, 100%, 97%
XYZ	38.6762, 19.9015, 3.4720
YIQ	77.9570, 135.6560, 63.5600

Conversions

Conversions Part 2

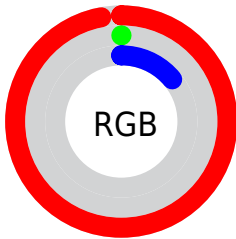
Format	Color
R_{YB}	247, 0, 36
Decimal	16187428
CIE _{Lab}	51.73, 78.59, 53.35
CIE _{LCh}	52, 94.989, 34.167
Yxy	19.9015, 0.6233, 0.3207
Android (android.graphics.Color)	4294377508 (0xFF70024)
YUV	77.9570, -20.6848, 148.2507
Hunter-Lab	44.6111, 76.6836, 26.6133

Details

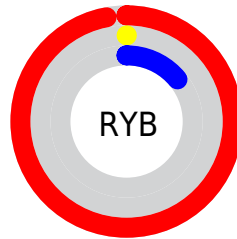
The XYZ color **38.6762, 19.9015, 3.4720** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **45.0270, 71.2277, 73.0444**, and the grayscale version is **7.2599, 7.6380, 8.3178**.

A 20% lighter version of the original color is **46.8935, 30.0690, 11.5159**, and **18.8224, 9.7033, 0.8809** is the 20% darker color. If you saturate the color by 10%, you get **38.6751, 19.9010, 3.4676**, and if you desaturate by 10%, it is **39.4413, 20.7557, 5.8123**.

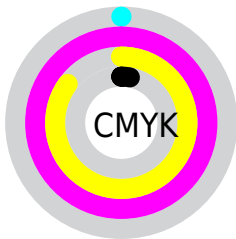
Distribution



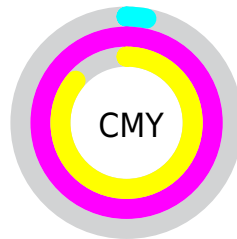
- Red (97%)
- Green (0%)
- Blue (14%)



- Red (97%)
- Yellow (0%)
- Blue (14%)



- Cyan (0%)
- Magenta (100%)
- Yellow (85%)
- Black (3%)





- Cyan (3%)
- Magenta (100%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6762, 19.9015, 3.4720 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 38.6762, 19.9015, 3.4720 by changing the saturation by 10% instead.


 38.6762, 19.9015,
3.4720


 38.6762, 19.9015,
3.4720


331.7428,
251.3814, 142.1623

 26.6875, 12.3235,
1.3404


 72.4406, 43.2520,
12.7725

 17.4740, 6.9644,
0.0946


 94.9471, 59.7932,
20.7784

 10.6704, 3.4398,
0.0000


 121.6902, 80.0910,
31.5796

 5.9113, 1.3654,
0.0000

 153.0353,
104.5296, 45.5945

 2.8314, 0.1910,
0.0000

 189.3478,
133.4936, 63.2416


 1.0652, 0.0000,
0.0000


 230.9929,


 0.0000, 0.0000,


167.3673, 84.9396


0.0000


 278.3361,
206.5351, 111.1070


 38.6762, 19.9015,
3.4720


 38.6762, 19.9015,
3.4720


 38.6751, 19.9010,
3.4676

 39.4413, 20.7557,
5.8123

 40.8580, 22.5628,
9.4491

 43.0845, 25.6004,
14.5545

 46.2223, 30.0383,
21.2657

 50.3577, 36.0191,
29.7038

■ 55.5668, 43.6679,
39.9781

■ 61.9184, 53.0969,
52.1889

■ 69.4753, 64.4088,
66.4290

■ 78.2959, 77.6981,
82.7852

Harmonies

Analogous

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



43.9552, 19.9015, 18.0490



38.6762, 19.9015, 3.4720



28.1565, 19.9015, 0.2577

Triad

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



38.6762, 19.9015, 3.4720



6.6882, 19.9015, 5.8291



20.2897, 19.9015, 128.7765

Complementary

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



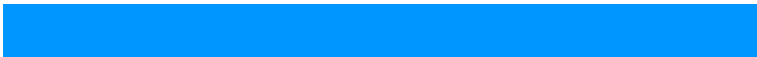
38.6762, 19.9015, 3.4720



45.0270, 71.2277, 73.0444

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.



11.9567, 19.9015, 112.6241



38.6762, 19.9015, 3.4720



5.8296, 19.9015, 25.7441

Square

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



38.6762, 19.9015, 3.4720



10.3252, 19.9015, 0.7403



7.3819, 19.9015, 67.0039



31.2966, 19.9015, 101.4821

Rectangle

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



38.6762, 19.9015, 3.4720



20.8550, 19.9015, 0.0000



7.3819, 19.9015, 67.0039



17.1007, 19.9015, 128.3376

Sweetspot

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



38.6766, 19.9028, 3.4723



66.5143, 57.0018, 56.0020



43.3557, 20.4124, 89.6499



13.5873, 11.2342, 10.7457



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.



38.6766, 19.9028, 3.4723



41.5757, 21.3943, 3.6976



41.7250, 26.5085, 2.9193



16.5974, 16.5218, 17.6264



20.4850, 10.5375, 1.9967



1.8297, 0.9379, 0.3297

Inverse Universe

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



38.6766, 19.9028, 3.4723



41.5757, 21.3943, 3.6976



29.4594, 32.0561, 92.6298



16.5974, 16.5218, 17.6264



20.4850, 10.5375, 1.9967



1.8297, 0.9379, 0.3297

Previews

White Background



This preview shows how the XYZ color 38.6762, 19.9015, 3.4720 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 38.6762, 19.9015, 3.4720 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 38.6762, 19.9015, 3.4720

Background



This preview shows how black text looks on a background with the XYZ color 38.6762, 19.9015, 3.4720.



This preview shows how white text looks on a background with the XYZ color 38.6762, 19.9015,

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

38.6762, 19.9015, 3.4720

Protanopia

18.6043, 20.3863, 7.0921

Deuteranopia

20.5790, 20.2260, 2.8194



Tritanopia

38.2929, 20.1666, 1.8743

Trichromacy



Original Color

38.6762, 19.9015, 3.4720

Protanomaly

21.8263, 15.4413, 4.9621

Deuteranomaly

23.8239, 16.0084, 2.2150

Tritanomaly

38.2357, 19.9360, 2.2135

Monochromacy



Original Color

38.6762, 19.9015, 3.4720

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

12.6853, 8.1291, 5.6031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6762, 19.9015, 3.4720 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(247, 0, 36)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 36)  
}
```

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(247, 0, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 36) }
```

Border

The CSS property to change the border of an element to XYZ 38.6762, 19.9015, 3.4720 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(247, 0, 36) }
```


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

```
.border{ border-color:rgb(247, 0, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 0, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 36);  
box-shadow:4px 4px 4px 4px rgb(247, 0, 36)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.6762, 19.9015, 3.4720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 36) }
```

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

```
.background{ background-color: rgb(247, 0,  
36) }
```

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