

Converting Colors

XYZ(37.9631, 19.6654, 6.3524)

Have a look what the booklet for
XYZ(37.9631, 19.6654, 6.3524)
contains.

XYZ(37.9631, 19.6654, 6.3524)	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(37.9631, 19.6654,
6.3524)**

Conversions

Conversions Part 1

Format	Color
Hex	F30C3E
RGB	243, 12, 62
RGB Percent	95%, 5%, 24%
CMY	0.0471, 0.9527, 0.7569
CMYK	0.00, 0.95, 0.74, 0.05
HSL	347°, 91%, 50%
HSV	347°, 95%, 95%
XYZ	37.9631, 19.6654, 6.3524
YIQ	86.7690, 121.6260, 64.5220

Conversions

Conversions Part 2

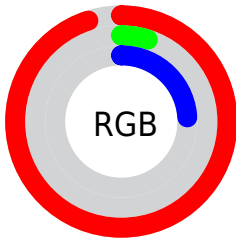
Format	Color
R_{YB}	243, 12, 62
Decimal	15928382
CIE _{Lab}	51.46, 77.46, 38.74
CIE _{LCh}	51, 86.606, 26.568
Yxy	19.6654, 0.5934, 0.3074
Android (android.graphics.Color)	4294118462 (0xFFFF30C3E)
YUV	86.7690, -12.2111, 137.0146
Hunter-Lab	44.3457, 75.2039, 22.5488

Details

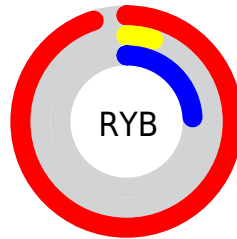
The XYZ color **37.9631, 19.6654, 6.3524** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **41.8344, 68.0319, 61.4102**, and the grayscale version is **9.0230, 9.4929, 10.3377**.

A 20% lighter version of the original color is **48.3292, 30.9352, 18.1757**, and **18.2577, 9.3976, 1.5135** is the 20% darker color. If you saturate the color by 10%, you get **37.5942, 19.3075, 5.0597**, and if you desaturate by 10%, it is **39.0905, 20.9327, 9.7736**.

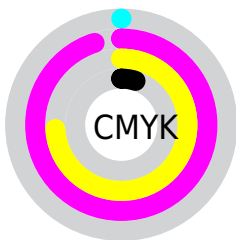
Distribution



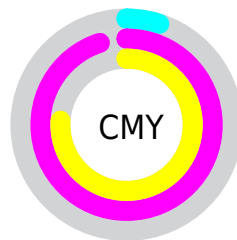
- Red (95%)
- Green (5%)
- Blue (24%)



- Red (95%)
- Yellow (5%)
- Blue (24%)



- Cyan (0%)
- Magenta (95%)
- Yellow (74%)
- Black (5%)





- Cyan (5%)
- Magenta (95%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9631, 19.6654, 6.3524 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 37.9631, 19.6654, 6.3524 by changing the saturation by 10% instead.


 37.9631, 19.6654,
6.3524


 37.9631, 19.6654,
6.3524

328.7452,
250.0979, 171.5901


 26.1311, 12.1521,
2.9883


 71.3558, 42.8555,
19.1482


 17.0550, 6.8473,
1.0887


 93.6473, 59.3010,
29.4170

 10.3692, 3.3668,
0.0000


 120.1560, 79.4927,
42.8244

 5.7086, 1.3261,
0.0000

 151.2473,
103.8150, 59.7890

 2.7077, 0.1613,
0.0000

 187.2865,
132.6523, 80.7294

 1.0011, 0.0000,
0.0000

 228.6390,

 0.0000, 0.0000,

166.3890, 106.0640

0.0000

275.6701,
205.4094, 136.2113

■ 37.9631, 19.6654,
6.3524

■ 37.9631, 19.6654,
6.3524

■ 37.5942, 19.3075,
5.0597

■ 39.0905, 20.9327,
9.7736

■ 40.9169, 23.2772,
14.4158

■ 43.5447, 26.8796,
20.3884

■ 47.0582, 31.8865,
27.7874

■ 51.5306, 38.4240,
36.6993

■ 57.0271, 46.6041,
47.2037

■ 63.6074, 56.5283,
59.3743

■ 71.3262, 68.2898,
73.2803

■ 80.2348, 81.9754,
88.9868

Harmonies

Analogous

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



40.8121, 19.6654, 24.4053



37.9631, 19.6654, 6.3524



29.4861, 19.6654, 1.1616

Triad

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



37.9631, 19.6654, 6.3524



7.9304, 19.6654, 4.3918



17.7092, 19.6654, 113.4464

Complementary

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



37.9631, 19.6654, 6.3524



41.8344, 68.0319, 61.4102

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.



10.9168, 19.6654, 91.2781



37.9631, 19.6654, 6.3524



6.4849, 19.6654, 18.6745

Square

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



37.9631, 19.6654, 6.3524



12.1721, 19.6654, 0.7870



7.3791, 19.6654, 50.7230



27.2010, 19.6654, 99.0154

Rectangle

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



37.9631, 19.6654, 6.3524



22.8458, 19.6654, 0.3133



7.3791, 19.6654, 50.7230



15.0738, 19.6654, 109.7710

Sweetspot

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



37.9635, 19.6666, 6.3527



67.8570, 58.3613, 60.5375



38.2922, 18.0677, 86.2626



13.8656, 11.4999, 11.7351



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.



37.9635, 19.6666, 6.3527



41.9331, 21.5373, 5.5800



39.7168, 24.4577, 2.9771



16.6458, 16.5412, 17.8813



20.6736, 10.6129, 2.9894



1.8536, 0.9474, 0.4553

Inverse Universe

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



37.9635, 19.6666, 6.3527



41.9331, 21.5373, 5.5800



32.1639, 38.2176, 90.4749



16.6458, 16.5412, 17.8813



20.6736, 10.6129, 2.9894



1.8536, 0.9474, 0.4553

Previews

White Background



This preview shows how the XYZ color 37.9631, 19.6654, 6.3524 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 37.9631, 19.6654, 6.3524 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 37.9631, 19.6654, 6.3524

Background



This preview shows how black text looks on a background with the XYZ color 37.9631, 19.6654, 6.3524.



This preview shows how white text looks on a background with the XYZ color 37.9631, 19.6654,

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

37.9631, 19.6654, 6.3524

Protanopia

18.6992, 20.1112, 13.2522

Deuteranopia

20.3592, 20.0486, 5.7025



Tritanopia

37.1361, 19.7116, 2.5092

Trichromacy



Original Color

37.9631, 19.6654, 6.3524



Protanomaly

21.6295, 15.5664, 9.8473



Deuteranomaly

23.7115, 16.2974, 5.3860



Tritanomaly

37.2082, 19.5724, 3.4069

Monochromacy



Original Color

37.9631, 19.6654, 6.3524



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

14.4926, 9.7111, 8.3183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9631, 19.6654, 6.3524 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(243, 12, 62)` looks like.

```
.text, #text, p{  
    color:rgb(243, 12, 62)  
}
```

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(243, 12, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 12, 62) }
```

Border

The CSS property to change the border of an element to XYZ 37.9631, 19.6654, 6.3524 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(243, 12, 62) }
```


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

```
.border{ border-color:rgb(243, 12, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 12, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 12, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 12, 62);  
box-shadow:4px 4px 4px 4px rgb(243, 12,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9631, 19.6654, 6.3524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 12, 62) }
```

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

```
.background{ background-color: rgb(243, 12,  
62) }
```

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