

Converting Colors

XYZ(41.7166, 21.6278, 3.8936)

Have a look what the booklet for
XYZ(41.7166, 21.6278, 3.8936)
contains.

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Color

**XYZ(41.7147, 21.6236,
3.8946)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0A27
RGB	255, 10, 39
RGB Percent	100%, 4%, 15%
CMY	0.0000, 0.9605, 0.8471
CMYK	0.00, 0.96, 0.85, 0.00
HSL	353°, 100%, 52%
HSV	353°, 96%, 100%
XYZ	41.7147, 21.6236, 3.8946
YIQ	86.5610, 136.7110, 60.9590

Conversions

Conversions Part 2

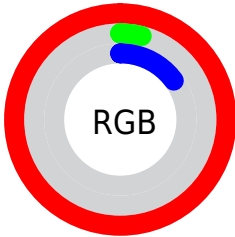
Format	Color
RYB	255, 10, 39
Decimal	16714279
CIELab	53.63, 79.86, 54.15
CIElCh	54, 96.490, 34.137
Yxy	21.6236, 0.6205, 0.3216
Android (android.graphics.Color)	4294904359 (0xFFFF0A27)
YUV	86.5610, -23.4476, 147.7210
Hunter-Lab	46.5012, 78.7495, 27.5851

Details

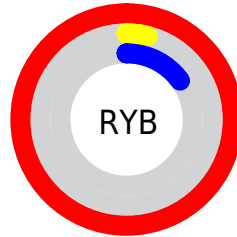
The XYZ color **41.7147, 21.6236, 3.8946** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **49.6233, 77.0793, 84.2668**, and the grayscale version is **9.0018, 9.4706, 10.3135**.

A 20% lighter version of the original color is **47.4221, 30.8718, 12.4763**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.4754, 21.3541, 3.1718**, and if you desaturate by 10%, it is **42.7132, 22.8382, 6.6412**.

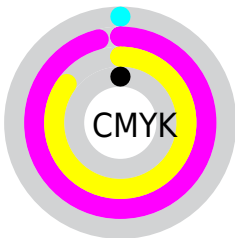
Distribution



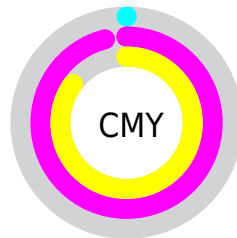
- Red (100%)
- Green (4%)
- Blue (15%)



- Red (100%)
- Yellow (4%)
- Blue (15%)



- Cyan (0%)
- Magenta (96%)
- Yellow (85%)
- Black (0%)





- Cyan (0%)
- Magenta (96%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7147, 21.6236, 3.8946 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 41.7147, 21.6236, 3.8946 by changing the saturation by 10% instead.


 41.7147, 21.6236,
3.8946


 41.7147, 21.6236,
3.8946


344.3107,
260.5743, 147.0465


 29.0681, 13.5806,
1.5677


 77.0355, 46.1231,
13.7659

 19.2769, 7.8295,
0.2676


 100.4405, 63.3484,
22.1475

 11.9757, 3.9861,
0.0000


 128.1622, 84.4032,
33.3843

 6.7992, 1.6658,
0.0000

 160.5661,
109.6720, 47.8949

 3.3821, 0.4013,
0.0000

 198.0176,
139.5390, 66.0979

 1.3589, 0.0000,
0.0000

 240.8819,

 0.2266, 0.0000,

174.3889, 88.4118

0.0000

289.5245,
214.6058, 115.2552

0.0000, 0.0000,
0.0000

41.7147, 21.6236,
3.8946

41.7147, 21.6236,
3.8946

41.4754, 21.3541,
3.1718

42.7132, 22.8382,
6.6412

44.5117, 25.2450,
10.9095

47.2392, 29.0578,
16.8819

51.0014, 34.4483,
24.7139

55.8890, 41.5636,
34.5437

■ 61.9832, 50.5338,
46.4960

■ 69.3573, 61.4767,
60.6855

■ 78.0789, 74.5000,
77.2186

■ 88.2108, 89.7040,
96.1947

Harmonies

Analogous

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



47.3431, 21.6236, 19.6819



41.7147, 21.6236, 3.8946



30.4698, 21.6236, 0.3938

Triad

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



41.7147, 21.6236, 3.8946



7.3774, 21.6236, 6.4470



22.0160, 21.6236, 137.6988

Complementary

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



41.7147, 21.6236, 3.8946



49.6233, 77.0793, 84.2668

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.



13.0611, 21.6236, 120.4907



41.7147, 21.6236, 3.8946



6.4431, 21.6236, 27.8819

Square

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



41.7147, 21.6236, 3.8946



11.3145, 21.6236, 0.8804



8.1235, 21.6236, 71.9356



33.8050, 21.6236, 108.7331

Rectangle

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



41.7147, 21.6236, 3.8946



22.6450, 21.6236, 0.0000



8.1235, 21.6236, 71.9356



18.5932, 21.6236, 137.2153

Sweetspot

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



41.7152, 21.6250, 3.8949



67.0446, 58.0363, 56.2597



48.3884, 23.0224, 96.5002



13.6782, 11.4249, 10.7484



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.



41.7152, 21.6250, 3.8949



41.4758, 21.3543, 3.1718



45.8405, 30.3733, 3.7359



18.0966, 18.0220, 19.1259



21.6993, 11.1690, 1.8012



2.1394, 1.0981, 0.3154

Inverse Universe

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



41.7152, 21.6250, 3.8949



41.4758, 21.3543, 3.1718



31.6660, 34.2650, 99.5516



18.0966, 18.0220, 19.1259



21.6993, 11.1690, 1.8012



2.1394, 1.0981, 0.3154

Previews

White Background



This preview shows how the XYZ color 41.7147, 21.6236, 3.8946 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



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 41.7147, 21.6236, 3.8946

Background



This preview shows how black text looks on a background with the XYZ color 41.7147, 21.6236, 3.8946.



This preview shows how white text looks on a background with the XYZ color 41.7147, 21.6236,

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

41.7147, 21.6236, 3.8946

Protanopia

20.0752, 21.8990, 7.8715

Deuteranopia

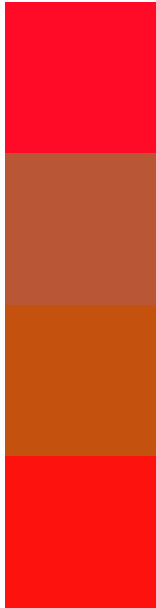
22.0638, 21.7056, 3.0267



Tritanopia

41.1794, 21.6836, 2.0150

Trichromacy



Original Color

41.7147, 21.6236, 3.8946

Protanomaly

23.7608, 17.1123, 5.5407

Deuteranomaly

25.7866, 17.6523, 2.4636

Tritanomaly

41.1686, 21.5351, 2.4023

Monochromacy



Original Color

41.7147, 21.6236, 3.8946

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

14.8822, 9.8660, 6.9143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7147, 21.6236, 3.8946 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(255, 10, 39)` looks like.

```
.text, #text, p{  
  color:rgb(255, 10, 39)  
}
```

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(255, 10, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 10, 39) }
```

Border

The CSS property to change the border of an element to XYZ 41.7147, 21.6236, 3.8946 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(255, 10, 39) }
```


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

```
.border{ border-color:rgb(255, 10, 39) }
```

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

Here you see how a box with a 4 pixel rgb(255, 10, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 10, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 10, 39);  
box-shadow:4px 4px 4px 4px rgb(255, 10,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7147, 21.6236, 3.8946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 10, 39) }
```

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

```
.background{ background-color: rgb(255, 10,  
39) }
```

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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