

Converting Colors

XYZ(42.1359, 21.6184, 6.6479)

Have a look what the booklet for
XYZ(42.1359, 21.6184, 6.6479)
contains.

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Color

**XYZ(42.1372, 21.6189,
6.6546)**

Conversions

Conversions Part 1

Format	Color
Hex	FF003F
RGB	255, 0, 63
RGB Percent	100%, 0%, 25%
CMY	0.0000, 0.9997, 0.7529
CMYK	0.00, 1.00, 0.75, 0.00
HSL	345°, 100%, 50%
HSV	345°, 100%, 100%
XYZ	42.1372, 21.6189, 6.6546
YIQ	83.4270, 131.7570, 73.6530

Conversions

Conversions Part 2

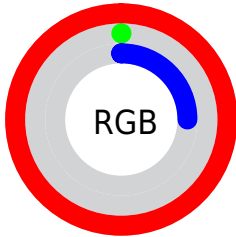
Format	Color
RYB	255, 0, 63
Decimal	16711743
CIELab	53.62, 81.16, 41.25
CIELCh	54, 91.048, 26.943
Yxy	21.6189, 0.5984, 0.3070
Android (android.graphics.Color)	4294901823 (0xFFFF003F)
YUV	83.4270, -10.0705, 150.4695
Hunter-Lab	46.4961, 80.3977, 24.0616

Details

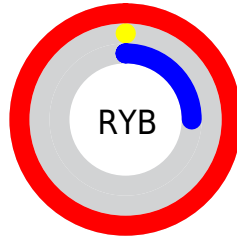
The XYZ color **42.1372, 21.6189, 6.6546** is a dark color, and the websafe version is hex **FF0033**, and the color name is **electric crimson**. The color can be described as dark saturated red. A complement of this color would be **45.2828, 75.3288, 62.0632**, and the grayscale version is **8.3182, 8.7514, 9.5302**.

A 20% lighter version of the original color is **48.3839, 30.9571, 18.4641**, and **21.1216, 10.8730, 1.6949** is the 20% darker color. If you saturate the color by 10%, you get **42.1354, 21.6181, 6.6467**, and if you desaturate by 10%, it is **43.1305, 22.5921, 10.1112**.

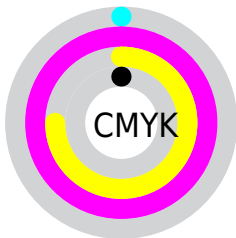
Distribution



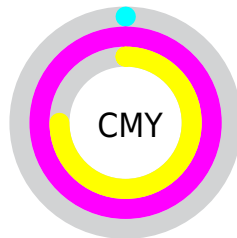
- Red (100%)
- Green (0%)
- Blue (25%)



- Red (100%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (75%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1372, 21.6189, 6.6546 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 42.1372, 21.6189, 6.6546 by changing the saturation by 10% instead.

 42.1372, 21.6189,
6.6546


 42.1372, 21.6189,
6.6546


346.0333,
260.5496, 174.2826


 29.4003, 13.5771,
3.1719


 77.6711, 46.1153,
19.7758


 19.5297, 7.8272,
1.1831


 101.1988, 63.3388,
30.2514

 12.1599, 3.9845,
0.0000


 129.0542, 84.3915,
43.8950

 6.9256, 1.6649,
0.0000

 161.6026,
109.6581, 61.1252

 3.4616, 0.4008,
0.0000

 199.2093,
139.5228, 82.3605

 1.4023, 0.0000,
0.0000

 242.2398,

 0.2579, 0.0000,

174.3700, 108.0195

0.0000

291.0593,
214.5841, 138.5207

■ 0.0000, 0.0000,
0.0000

■ 42.1372, 21.6189,
6.6546

■ 42.1372, 21.6189,
6.6546

■ 42.1354, 21.6181,
6.6467

■ 43.1305, 22.5921,
10.1112

■ 44.7958, 24.5814,
14.8014

■ 47.2913, 27.8788,
20.8546

■ 50.7185, 32.6647,
28.3737

■ 55.1633, 39.0906,
37.4508

■ 60.7017, 47.2892,
48.1700

■ 67.4021, 57.3795,
60.6092

■ 75.3273, 69.4703,
74.8410

■ 84.5353, 83.6620,
90.9338

Harmonies

Analogous

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



45.4546, 21.6189, 26.5125



42.1372, 21.6189, 6.6546



32.5316, 21.6189, 1.1378

Triad

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



42.1372, 21.6189, 6.6546



8.5207, 21.6189, 4.7431



19.5669, 21.6189, 127.7697

Complementary

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



42.1372, 21.6189, 6.6546



45.2828, 75.3288, 62.0632

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.



11.9414, 21.6189, 103.0220



42.1372, 21.6189, 6.6546



6.9586, 21.6189, 20.7972

Square

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



42.1372, 21.6189, 6.6546



13.1852, 21.6189, 0.7889



7.9781, 21.6189, 57.1071



30.2412, 21.6189, 110.8543

Rectangle

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



42.1372, 21.6189, 6.6546



25.0696, 21.6189, 0.2625



7.9781, 21.6189, 57.1071



16.6059, 21.6189, 123.7706

Sweetspot

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



42.1377, 21.6203, 6.6549



67.3822, 57.3490, 60.5724



39.6038, 18.3325, 96.0582



13.7870, 11.3140, 11.7969



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.



42.1377, 21.6203, 6.6549



42.1357, 21.6183, 6.6468



43.0624, 24.9046, 2.5395



18.1932, 18.0606, 19.6347



22.0661, 11.3157, 3.7327



2.1897, 1.1183, 0.5804

Inverse Universe

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



42.1377, 21.6203, 6.6549



42.1357, 21.6183, 6.6468



36.7399, 44.5987, 101.2790



18.1932, 18.0606, 19.6347



22.0661, 11.3157, 3.7327



2.1897, 1.1183, 0.5804

Previews

White Background



This preview shows how the XYZ color 42.1372, 21.6189, 6.6546 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 42.1372, 21.6189, 6.6546

Background



This preview shows how black text looks on a background with the XYZ color 42.1372, 21.6189, 6.6546.



This preview shows how white text looks on a background with the XYZ color 42.1372, 21.6189,

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

42.1372, 21.6189, 6.6546

Protanopia

20.5633, 22.0157, 13.9921

Deuteranopia

22.3144, 21.9564, 5.8582



Tritanopia

41.3360, 21.8470, 2.5285

Trichromacy



Original Color

42.1372, 21.6189, 6.6546

Protanomaly

23.6347, 16.4829, 10.1194

Deuteranomaly

25.8727, 17.3079, 5.3453

Tritanomaly

41.3480, 21.5815, 3.4252

Monochromacy



Original Color

42.1372, 21.6189, 6.6546

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

14.4317, 9.1790, 7.8486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1372, 21.6189, 6.6546 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, 0, 63)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 63)  
}
```

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, 0, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 63) }
```

Border

The CSS property to change the border of an element to XYZ 42.1372, 21.6189, 6.6546 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, 0, 63) }
```


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

```
.border{ border-color:rgb(255, 0, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 0, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 63);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 63)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.1372, 21.6189, 6.6546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 63) }
```

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

```
.background{ background-color: rgb(255, 0,  
63) }
```

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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