

Converting Colors

XYZ(41.6850, 21.4380, 4.2733)

Have a look what the booklet for
XYZ(41.6850, 21.4380, 4.2733)
contains.

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Color

**XYZ(41.6760, 21.4344,
4.2262)**

Conversions

Conversions Part 1

Format	Color
Hex	FF002B
RGB	255, 0, 43
RGB Percent	100%, 0%, 17%
CMY	0.0000, 0.9997, 0.8314
CMYK	0.00, 1.00, 0.83, 0.00
HSL	350°, 100%, 50%
HSV	350°, 100%, 100%
XYZ	41.6760, 21.4344, 4.2262
YIQ	81.1470, 138.1770, 67.4330

Conversions

Conversions Part 2

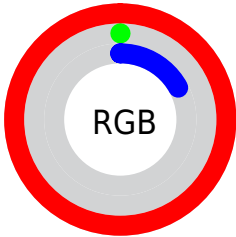
Format	Color
RYB	255, 0, 43
Decimal	16711723
CIELab	53.42, 80.62, 51.98
CIElCh	53, 95.926, 32.809
Yxy	21.4344, 0.6189, 0.3183
Android (android.graphics.Color)	4294901803 (0xFFFF002B)
YUV	81.1470, -18.8065, 152.4691
Hunter-Lab	46.2973, 79.6622, 26.9959

Details

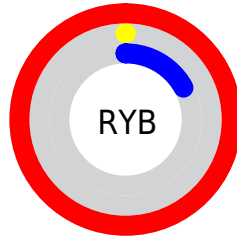
The XYZ color **41.6760, 21.4344, 4.2262** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **47.6530, 76.2768, 74.5446**, and the grayscale version is **7.8748, 8.2849, 9.0222**.

A 20% lighter version of the original color is **47.3602, 30.5476, 13.0730**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.6746, 21.4338, 4.2205**, and if you desaturate by 10%, it is **42.5309, 22.3523, 6.9541**.

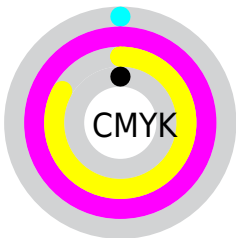
Distribution



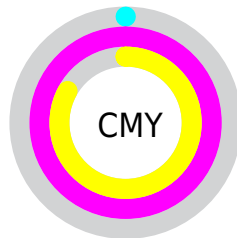
- Red (100%)
- Green (0%)
- Blue (17%)



- Red (100%)
- Yellow (0%)
- Blue (17%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6760, 21.4344, 4.2262 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 41.6760, 21.4344, 4.2262 by changing the saturation by 10% instead.


 41.6760, 21.4344,
4.2262


 41.6760, 21.4344,
4.2262


344.1526,
259.5782, 150.7073


 29.0377, 13.4419,
1.7502


 76.9773, 45.8094,
14.5282

 19.2537, 7.7335,
0.3948


 100.3709, 62.9607,
23.1913

 11.9589, 3.9249,
0.0000


 128.0804, 83.9337,
34.7538

 6.7877, 1.6317,
0.0000

 160.4711,
109.1128, 49.6344

 3.3748, 0.3788,
0.0000

 197.9083,
138.8824, 68.2514

 1.3549, 0.0000,
0.0000

 240.7573,

 0.2238, 0.0000,

173.6269, 91.0236

0.0000

289.3837,
213.7307, 118.3694

■ 0.0000, 0.0000,
0.0000

■ 41.6760, 21.4344,
4.2262

■ 41.6760, 21.4344,
4.2262

■ 41.6746, 21.4338,
4.2205

■ 42.5309, 22.3523,
6.9541

■ 44.0827, 24.2961,
11.0466

■ 46.4974, 27.5612,
16.6739

■ 49.8826, 32.3303,
23.9725

■ 54.3301, 38.7572,
33.0635

■ 59.9204, 46.9766,
44.0562

■ 66.7263, 57.1091,
57.0513

■ 74.8146, 69.2651,
72.1422

■ 84.2471, 83.5465,
89.4166

Harmonies

Analogous

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



46.8771, 21.4344, 20.6955



41.6760, 21.4344, 4.2262



30.7017, 21.4344, 0.4741

Triad

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



41.6760, 21.4344, 4.2262



7.4422, 21.4344, 5.9411



21.3480, 21.4344, 136.2181

Complementary

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



41.6760, 21.4344, 4.2262



47.6530, 76.2768, 74.5446

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.



12.6670, 21.4344, 117.2854



41.6760, 21.4344, 4.2262



6.4004, 21.4344, 26.1973

Square

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



41.6760, 21.4344, 4.2262



11.4938, 21.4344, 0.8027



7.9436, 21.4344, 68.8564



32.9397, 21.4344, 109.4022

Rectangle

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



41.6760, 21.4344, 4.2262



22.9253, 21.4344, 0.0000



7.9436, 21.4344, 68.8564



18.0171, 21.4344, 135.0093

Sweetspot

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



41.6765, 21.4358, 4.2265



66.7062, 57.0786, 57.0127



44.1368, 20.6694, 96.2702



13.6313, 11.2518, 10.9773



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.



41.6765, 21.4358, 4.2265



41.6750, 21.4340, 4.2206



44.1675, 27.1149, 2.9079



18.1342, 18.0370, 19.3236



21.8123, 11.2142, 2.3962



2.1570, 1.1052, 0.4083

Inverse Universe

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



41.6765, 21.4358, 4.2265



41.6750, 21.4340, 4.2206



33.2394, 37.5976, 100.1121



18.1342, 18.0370, 19.3236



21.8123, 11.2142, 2.3962



2.1570, 1.1052, 0.4083

Previews

White Background



This preview shows how the XYZ color 41.6760, 21.4344, 4.2262 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 41.6760, 21.4344, 4.2262 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 41.6760, 21.4344, 4.2262

Background



This preview shows how black text looks on a background with the XYZ color 41.6760, 21.4344, 4.2262.



This preview shows how white text looks on a background with the XYZ color 41.6760, 21.4344,

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

41.6760, 21.4344, 4.2262

Protanopia

20.0798, 21.8810, 8.7954

Deuteranopia

22.1573, 21.7430, 3.5192



Tritanopia

41.1794, 21.6836, 2.0150

Trichromacy



Original Color

41.6760, 21.4344, 4.2262



Protanomaly

23.3613, 16.4281, 6.2146



Deuteranomaly

25.6758, 17.2591, 2.9554



Tritanomaly

41.1374, 21.4499, 2.4623

Monochromacy



Original Color

41.6760, 21.4344, 4.2262



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

13.7427, 8.7905, 6.2826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6760, 21.4344, 4.2262 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, 43)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 43)  
}
```

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, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 43) }
```

Border

The CSS property to change the border of an element to XYZ 41.6760, 21.4344, 4.2262 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, 43) }
```


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

```
.border{ border-color:rgb(255, 0, 43) }
```

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, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 43);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 43)  
}
```

Background

The CSS property to change the background color of an element to XYZ 41.6760, 21.4344, 4.2262 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, 43) }
```

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

```
.background{ background-color: rgb(255, 0,  
43) }
```

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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