

Converting Colors

XYZ(42.1923, 21.6409, 6.9449)

Have a look what the booklet for
XYZ(42.1923, 21.6409, 6.9449)
contains.

XYZ(42.1941, 21.6417, 6.9544)	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(42.1941, 21.6417,
6.9544)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0041
RGB	255, 0, 65
RGB Percent	100%, 0%, 25%
CMY	0.0000, 0.9997, 0.7451
CMYK	0.00, 1.00, 0.75, 0.00
HSL	345°, 100%, 50%
HSV	345°, 100%, 100%
XYZ	42.1941, 21.6417, 6.9544
YIQ	83.6550, 131.1150, 74.2750

Conversions

Conversions Part 2

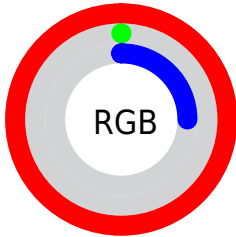
Format	Color
RYB	255, 0, 65
Decimal	16711745
CIELab	53.64, 81.23, 40.13
CIELCh	54, 90.603, 26.291
Yxy	21.6417, 0.5960, 0.3057
Android (android.graphics.Color)	4294901825 (0xFFFF0041)
YUV	83.6550, -9.1969, 150.2696
Hunter-Lab	46.5206, 80.4879, 23.7011

Details

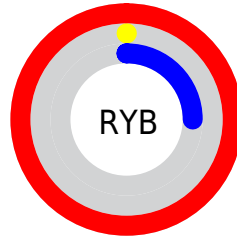
The XYZ color **42.1941, 21.6417, 6.9544** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **45.0628, 75.2407, 60.9047**, and the grayscale version is **8.3636, 8.7991, 9.5823**.

A 20% lighter version of the original color is **48.4953, 31.0016, 19.0507**, and **21.1409, 10.8807, 1.7965** is the 20% darker color. If you saturate the color by 10%, you get **42.1922, 21.6408, 6.9460**, and if you desaturate by 10%, it is **43.2001, 22.6200, 10.4779**.

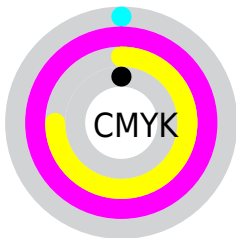
Distribution



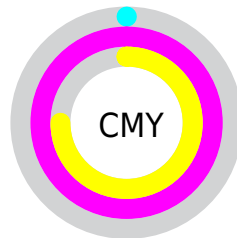
- Red (100%)
- Green (0%)
- Blue (25%)



- 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 42.1941, 21.6417, 6.9544 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 42.1941, 21.6417, 6.9544 by changing the saturation by 10% instead.

 42.1941, 21.6417,
6.9544

 42.1941, 21.6417,
6.9544


346.2649,
260.6694, 176.9008


 29.4451, 13.5939,
3.3556


 77.7566, 46.1531,
20.3927


 19.5637, 7.8387,
1.2789


 101.3008, 63.3854,
31.0693

 12.1847, 3.9919,
0.0444


 129.1742, 84.4481,
44.9422

 6.9427, 1.6691,
0.0000

 161.7420,
109.7254, 62.4300

 3.4723, 0.4035,
0.0000

 199.3696,
139.6018, 83.9512

 1.4082, 0.0000,
0.0000

 242.4224,

 0.2620, 0.0000,

174.4616, 109.9244

0.0000

291.2657,
214.6894, 140.7681

■ 0.0000, 0.0000,
0.0000

■ 42.1941, 21.6417,
6.9544

■ 42.1941, 21.6417,
6.9544

■ 42.1922, 21.6408,
6.9460

■ 43.2001, 22.6200,
10.4779

■ 44.8754, 24.6134,
15.2205

■ 47.3776, 27.9136,
21.3085

■ 50.8076, 32.7008,
28.8418

■ 55.2508, 39.1261,
37.9102

■ 60.7829, 47.3223,
48.5956

■ 67.4718, 57.4082,
60.9738

■ 75.3799, 69.4923,
75.1156

■ 84.5652, 83.6751,
91.0879

Harmonies

Analogous

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



45.3155, 21.6417, 27.1857



42.1941, 21.6417, 6.9544



32.7341, 21.6417, 1.2162

Triad

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



42.1941, 21.6417, 6.9544



8.6407, 21.6417, 4.6274



19.3884, 21.6417, 126.9314

Complementary

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



42.1941, 21.6417, 6.9544



45.0628, 75.2407, 60.9047

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.



11.8681, 21.6417, 101.6152



42.1941, 21.6417, 6.9544



7.0197, 21.6417, 20.2794

Square

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



42.1941, 21.6417, 6.9544



13.3739, 21.6417, 0.7872



7.9824, 21.6417, 55.9662



29.9714, 21.6417, 111.0333

Rectangle

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



42.1941, 21.6417, 6.9544



25.3069, 21.6417, 0.3124



7.9824, 21.6417, 55.9662



16.4641, 21.6417, 122.6544

Sweetspot

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



42.1946, 21.6431, 6.9547



67.4512, 57.3766, 60.9359



38.5488, 17.7887, 96.0087



13.8029, 11.3204, 11.8810



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.



42.1946, 21.6431, 6.9547



42.1926, 21.6410, 6.9461



42.8328, 24.4454, 2.4630



18.1992, 18.0630, 19.6660



22.0970, 11.3281, 3.8955



2.1934, 1.1197, 0.6000

Inverse Universe

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



42.1946, 21.6431, 6.9547



42.1926, 21.6410, 6.9461



37.6818, 46.4825, 101.5929



18.1992, 18.0630, 19.6660



22.0970, 11.3281, 3.8955



2.1934, 1.1197, 0.6000

Previews

White Background



This preview shows how the XYZ color 42.1941, 21.6417, 6.9544 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 42.1941, 21.6417, 6.9544 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 42.1941, 21.6417, 6.9544

Background



This preview shows how black text looks on a background with the XYZ color 42.1941, 21.6417, 6.9544.



This preview shows how white text looks on a background with the XYZ color 42.1941, 21.6417,

6.9544.

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

42.1941, 21.6417, 6.9544

Protanopia

20.7023, 22.0713, 14.7243

Deuteranopia

22.3784, 21.9820, 6.1954



Tritanopia

41.3742, 21.8984, 2.6184

Trichromacy



Original Color

42.1941, 21.6417, 6.9544

Protanomaly

23.7531, 16.5302, 10.7428

Deuteranomaly

25.9439, 17.3364, 5.7202

Tritanomaly

41.3769, 21.5931, 3.5772

Monochromacy



Original Color

42.1941, 21.6417, 6.9544

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

14.4667, 9.1930, 8.0331

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1941, 21.6417, 6.9544 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, 65)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 65)  
}
```

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, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 65) }
```

Border

The CSS property to change the border of an element to XYZ 42.1941, 21.6417, 6.9544 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, 65) }
```


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

```
.border{ border-color:rgb(255, 0, 65) }
```

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, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 65);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 65)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.1941, 21.6417, 6.9544 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, 65) }
```

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

```
.background{ background-color: rgb(255, 0,  
65) }
```

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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