

Converting Colors

XYZ(42.1716, 21.8252, 6.2427)

Have a look what the booklet for
XYZ(42.1716, 21.8252, 6.2427)
contains.

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Color

**XYZ(42.1753, 21.8256,
6.2648)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0B3C
RGB	255, 11, 60
RGB Percent	100%, 4%, 24%
CMY	0.0000, 0.9566, 0.7647
CMYK	0.00, 0.96, 0.76, 0.00
HSL	348°, 100%, 52%
HSV	348°, 96%, 100%
XYZ	42.1753, 21.8256, 6.2648
YIQ	89.5420, 129.6950, 66.9670

Conversions

Conversions Part 2

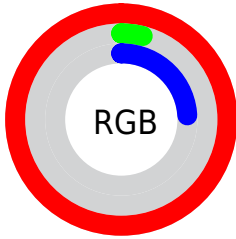
Format	Color
R_{YB}	255, 11, 60
Decimal	16714556
CIE Lab	53.84, 80.33, 43.21
CIE LCh	54, 91.209, 28.275
Yxy	21.8256, 0.6002, 0.3106
Android (android.graphics.Color)	4294904636 (0xFFFF0B3C)
YUV	89.5420, -14.5642, 145.1067
Hunter-Lab	46.7179, 79.3874, 24.7518

Details

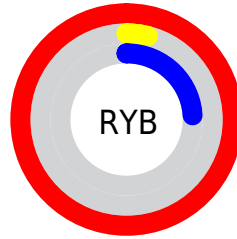
The XYZ color **42.1753, 21.8256, 6.2648** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **47.0473, 76.0506, 70.6341**, and the grayscale version is **9.6351, 10.1369, 11.0391**.

A 20% lighter version of the original color is **48.5039, 31.4571, 17.7027**, and **21.0954, 10.8625, 1.5571** is the 20% darker color. If you saturate the color by 10%, you get **41.8407, 21.5002, 5.0944**, and if you desaturate by 10%, it is **43.3501, 23.1411, 9.8460**.

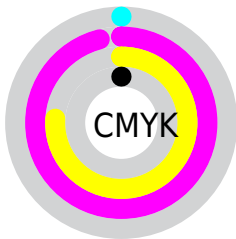
Distribution



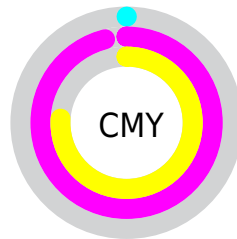
- Red (100%)
- Green (4%)
- Blue (24%)



- Red (100%)
- Yellow (4%)
- Blue (24%)



- Cyan (0%)
- Magenta (96%)
- Yellow (76%)
- Black (0%)





- Cyan (0%)
- Magenta (96%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1753, 21.8256, 6.2648 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 42.1753, 21.8256, 6.2648 by changing the saturation by 10% instead.


 42.1753, 21.8256,
6.2648


 42.1753, 21.8256,
6.2648


346.1884,
261.6342, 170.7990


 29.4303, 13.7288,
2.9354


 77.7284, 46.4576,
18.9652


 19.5525, 7.9323,
1.0617


 101.2671, 63.7616,
29.1732


 12.1765, 4.0517,
0.0000


 129.1345, 84.9034,
42.5111

 6.9371, 1.7025,
0.0000

 161.6959,
110.2675, 59.3976

 3.4688, 0.4253,
0.0000

 199.3166,
140.2382, 80.2510

 1.4062, 0.0000,
0.0000

 242.3620,

 0.2607, 0.0000,

175.2000, 105.4901

0.0000

291.1975,
215.5371, 135.5332

■ 0.0000, 0.0000,
0.0000

■ 42.1753, 21.8256,
6.2648

■ 42.1753, 21.8256,
6.2648

■ 41.8407, 21.5002,
5.0944

■ 43.3501, 23.1411,
9.8460

■ 45.3036, 25.6474,
14.8154

■ 48.1546, 29.5526,
21.3049

■ 52.0002, 35.0241,
29.4295

■ 56.9244, 42.2057,
39.2928

■ 63.0024, 51.2247,
50.9896

■ 70.3022, 62.1963,
64.6076

■ 78.8867, 75.2263,
80.2287

■ 88.8142, 90.4129,
97.9303

Harmonies

Analogous

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



45.8752, 21.8256, 25.4276



42.1753, 21.8256, 6.2648



32.3232, 21.8256, 1.0698

Triad

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



42.1753, 21.8256, 6.2648



8.4846, 21.8256, 5.1768



20.1820, 21.8256, 128.9188

Complementary

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



42.1753, 21.8256, 6.2648



47.0473, 76.0506, 70.6341

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.



12.3253, 21.8256, 105.6433



42.1753, 21.8256, 6.2648



7.0291, 21.8256, 22.1753

Square

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



42.1753, 21.8256, 6.2648



13.0334, 21.8256, 0.8742



8.1756, 21.8256, 59.6201



31.0196, 21.8256, 110.1004

Rectangle

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



42.1753, 21.8256, 6.2648



24.8172, 21.8256, 0.2464



8.1756, 21.8256, 59.6201



17.1438, 21.8256, 125.5453

Sweetspot

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



42.1758, 21.8270, 6.2651



67.7247, 58.3083, 59.8408



42.5673, 20.0379, 96.2313



13.8350, 11.4876, 11.5737



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.



42.1758, 21.8270, 6.2651



41.8409, 21.5004, 5.0945



44.1825, 27.0480, 3.2108



18.1583, 18.0466, 19.4509



21.9046, 11.2511, 2.8819



2.1694, 1.1101, 0.4736

Inverse Universe

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



42.1758, 21.8270, 6.2651



41.8409, 21.5004, 5.0945



35.7235, 42.3610, 100.9008



18.1583, 18.0466, 19.4509



21.9046, 11.2511, 2.8819



2.1694, 1.1101, 0.4736

Previews

White Background



This preview shows how the XYZ color 42.1753, 21.8256, 6.2648 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 42.1753, 21.8256, 6.2648 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 42.1753, 21.8256, 6.2648

Background



This preview shows how black text looks on a background with the XYZ color 42.1753, 21.8256, 6.2648.



This preview shows how white text looks on a background with the XYZ color 42.1753, 21.8256,

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

42.1753, 21.8256, 6.2648

Protanopia

20.5538, 22.0313, 13.0667

Deuteranopia

22.4569, 22.0368, 5.5525



Tritanopia

41.3662, 21.8952, 2.5763

Trichromacy



Original Color

42.1753, 21.8256, 6.2648



Protanomaly

24.0672, 17.1798, 9.6370



Deuteranomaly

26.3580, 18.0006, 5.1029



Tritanomaly

41.4157, 21.7170, 3.4478

Monochromacy



Original Color

42.1753, 21.8256, 6.2648



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

15.6577, 10.3860, 8.5766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1753, 21.8256, 6.2648 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, 11, 60)` looks like.

```
.text, #text, p{  
    color:rgb(255, 11, 60)  
}
```

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, 11, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 11, 60) }
```

Border

The CSS property to change the border of an element to XYZ 42.1753, 21.8256, 6.2648 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, 11, 60) }
```


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

```
.border{ border-color:rgb(255, 11, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 11, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 11, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 11, 60);  
box-shadow:4px 4px 4px 4px rgb(255, 11,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1753, 21.8256, 6.2648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 11, 60) }
```

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

```
.background{ background-color: rgb(255, 11,  
60) }
```

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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