

Converting Colors

XYZ(42.2851, 21.8695, 6.8431)

Have a look what the booklet for
XYZ(42.2851, 21.8695, 6.8431)
contains.

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Color

**XYZ(42.2851, 21.8695,
6.8431)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0B40
RGB	255, 11, 64
RGB Percent	100%, 4%, 25%
CMY	0.0000, 0.9566, 0.7490
CMYK	0.00, 0.96, 0.75, 0.00
HSL	347°, 100%, 52%
HSV	347°, 96%, 100%
XYZ	42.2851, 21.8695, 6.8431
YIQ	89.9980, 128.4110, 68.2110

Conversions

Conversions Part 2

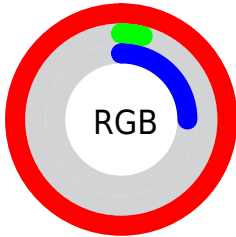
Format	Color
RYB	255, 11, 64
Decimal	16714560
CIELab	53.89, 80.46, 40.98
CIElCh	54, 90.291, 26.992
Yxy	21.8695, 0.5956, 0.3080
Android (android.graphics.Color)	4294904640 (0xFFFF0B40)
YUV	89.9980, -12.8170, 144.7068
Hunter-Lab	46.7648, 79.5625, 24.0595

Details

The XYZ color **42.2851, 21.8695, 6.8431** 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 **46.5669, 75.8584, 68.1048**, and the grayscale version is **9.7335, 10.2404, 11.1517**.

A 20% lighter version of the original color is **48.7218, 31.5442, 18.8499**, and **21.1311, 10.8767, 1.7447** is the 20% darker color. If you saturate the color by 10%, you get **41.9374, 21.5389, 5.6039**, and if you desaturate by 10%, it is **43.4868, 23.1957, 10.5659**.

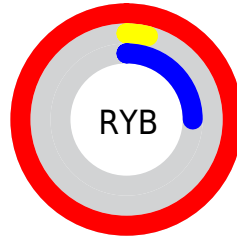
Distribution



Red (100%)

Green (4%)

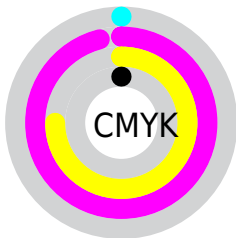
Blue (25%)



Red (100%)

Yellow (4%)

Blue (25%)

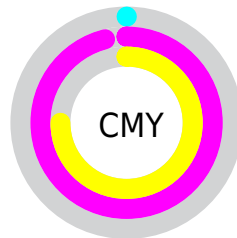


Cyan (0%)

Magenta (96%)

Yellow (75%)

Black (0%)



Cyan (0%)


Magenta (96%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2851, 21.8695, 6.8431 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 42.2851, 21.8695, 6.8431 by changing the saturation by 10% instead.


 42.2851, 21.8695,
6.8431


 42.2851, 21.8695,
6.8431

346.6350,
261.8640, 175.9347


 29.5167, 13.7610,
3.2872


 77.8934, 46.5302,
20.1643

 19.6183, 7.9547,
1.2431


 101.4640, 63.8513,
30.7668

 12.2245, 4.0659,
0.0145


 129.3660, 85.0120,
44.5551

 6.9701, 1.7105,
0.0000

 161.9648,
110.3967, 61.9479

 3.4895, 0.4305,
0.0000

 199.6257,
140.3899, 83.3638

 1.4176, 0.0000,
0.0000

 242.7142,

 0.2687, 0.0000,

175.3759, 109.2212

0.0000

291.5955,
215.7391, 139.9386

■ 0.0000, 0.0000,
0.0000

■ 42.2851, 21.8695,
6.8431

■ 42.2851, 21.8695,
6.8431

■ 41.9374, 21.5389,
5.6039

■ 43.4868, 23.1957,
10.5659

■ 45.4612, 25.7104,
15.6455

■ 48.3256, 29.6209,
22.2059

■ 52.1759, 35.0942,
30.3557

■ 57.0952, 42.2737,
40.1929

■ 63.1575, 51.2864,
51.8072

■ 70.4300, 62.2470,
65.2817

■ 78.9748, 75.2611,
80.6943

■ 88.8496, 90.4265,
98.1183

Harmonies

Analogous

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



45.5953, 21.8695, 26.7330



42.2851, 21.8695, 6.8431



32.7211, 21.8695, 1.2221

Triad

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



42.2851, 21.8695, 6.8431



8.7220, 21.8695, 4.9355



19.8208, 21.8695, 127.2437

Complementary

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



42.2851, 21.8695, 6.8431



46.5669, 75.8584, 68.1048

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.



12.1764, 21.8695, 102.8162



42.2851, 21.8695, 6.8431



7.1507, 21.8695, 21.1122

Square

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



42.2851, 21.8695, 6.8431



13.4049, 21.8695, 0.8708



8.1837, 21.8695, 57.3061



30.4757, 21.8695, 110.4457

Rectangle

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



42.2851, 21.8695, 6.8431



25.2835, 21.8695, 0.3452



8.1837, 21.8695, 57.3061



16.8567, 21.8695, 123.3119

Sweetspot

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



42.2856, 21.8709, 6.8434



67.8633, 58.3638, 60.5705



41.4805, 19.4776, 96.1804



13.8671, 11.5004, 11.7427



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.



42.2856, 21.8709, 6.8434



41.9377, 21.5391, 5.6040



43.8929, 26.4689, 3.1142



18.1707, 18.0516, 19.5160



21.9579, 11.2724, 3.1626



2.1763, 1.1129, 0.5097

Inverse Universe

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



42.2856, 21.8709, 6.8434



41.9377, 21.5391, 5.6040



36.5914, 44.0969, 101.1901



18.1707, 18.0516, 19.5160



21.9579, 11.2724, 3.1626



2.1763, 1.1129, 0.5097

Previews

White Background



This preview shows how the XYZ color 42.2851, 21.8695, 6.8431 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 42.2851, 21.8695, 6.8431 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 42.2851, 21.8695, 6.8431

Background



This preview shows how black text looks on a background with the XYZ color 42.2851, 21.8695, 6.8431.



This preview shows how white text looks on a background with the XYZ color 42.2851, 21.8695,

6.8431.

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

42.2851, 21.8695, 6.8431

Protanopia

20.7414, 22.2988, 14.2772

Deuteranopia

22.5590, 22.0776, 6.0900



Tritanopia

41.4146, 21.9518, 2.7162

Trichromacy



Original Color

42.2851, 21.8695, 6.8431

Protanomaly

24.0645, 17.2802, 10.4546

Deuteranomaly

26.4718, 18.0462, 5.7025

Tritanomaly

41.4784, 21.7720, 3.6853

Monochromacy



Original Color

42.2851, 21.8695, 6.8431

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

15.7316, 10.4156, 8.9658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2851, 21.8695, 6.8431 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, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 11, 64)  
}
```

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, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 11, 64) }
```

Border

The CSS property to change the border of an element to XYZ 42.2851, 21.8695, 6.8431 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, 64) }
```


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

```
.border{ border-color:rgb(255, 11, 64) }
```

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, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 11, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 11, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 11,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2851, 21.8695, 6.8431 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, 64) }
```

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

```
.background{ background-color: rgb(255, 11,  
64) }
```

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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