

Converting Colors

XYZ(47.4617, 24.3816, 6.7898)

Have a look what the booklet for
XYZ(47.4617, 24.3816, 6.7898)
contains.

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Color

**XYZ(42.1204, 21.6295,
6.5123)**

Conversions

Conversions Part 1

Format	Color
Hex	FF013E
RGB	255, 1, 62
RGB Percent	100%, 0%, 24%
CMY	0.0000, 0.9958, 0.7569
CMYK	0.00, 1.00, 0.76, 0.00
HSL	346°, 100%, 50%
HSV	346°, 100%, 100%
XYZ	42.1204, 21.6295, 6.5123
YIQ	83.9000, 131.8030, 72.8190

Conversions

Conversions Part 2

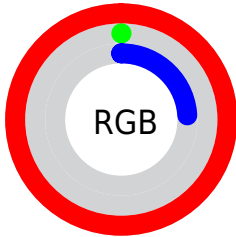
Format	Color
RYB	255, 1, 62
Decimal	16711998
CIELab	53.63, 81.07, 41.84
CIELCh	54, 91.226, 27.300
Yxy	21.6295, 0.5995, 0.3078
Android (android.graphics.Color)	4294902078 (0xFFFF013E)
YUV	83.9000, -10.7967, 150.0547
Hunter-Lab	46.5075, 80.2737, 24.2531

Details

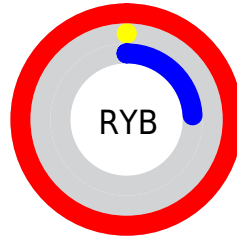
The XYZ color **42.1204, 21.6295, 6.5123** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **45.5184, 75.4246, 63.2380**, and the grayscale version is **8.4164, 8.8547, 9.6428**.

A 20% lighter version of the original color is **48.4222, 31.1212, 18.2067**, and **21.1125, 10.8693, 1.6471** is the 20% darker color. If you saturate the color by 10%, you get **42.0872, 21.5988, 6.3923**, and if you desaturate by 10%, it is **43.1214, 22.6239, 9.9538**.

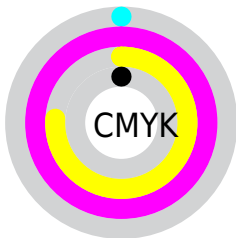
Distribution



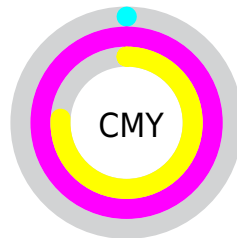
- Red (100%)
- Green (0%)
- Blue (24%)



- Red (100%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (76%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1204, 21.6295, 6.5123 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 42.1204, 21.6295, 6.5123 by changing the saturation by 10% instead.


 42.1204, 21.6295,
6.5123


 42.1204, 21.6295,
6.5123


345.9649,
260.6053, 173.0216


 29.3871, 13.5849,
3.0852


 77.6458, 46.1329,
19.4810


 19.5196, 7.8325,
1.1383


 101.1687, 63.3605,
29.8598


 12.1526, 3.9880,
0.0000


 129.0188, 84.4178,
43.3928

 6.9206, 1.6668,
0.0000

 161.5614,
109.6894, 60.4987

 3.4584, 0.4020,
0.0000

 199.1620,
139.5595, 81.5960

 1.4005, 0.0000,
0.0000

 242.1859,

 0.2566, 0.0000,

174.4126, 107.1032

0.0000

290.9984,
214.6331, 137.4389

■ 0.0000, 0.0000,
0.0000

■ 42.1204, 21.6295,
6.5123

■ 42.1204, 21.6295,
6.5123

■ 42.0872, 21.5988,
6.3923

■ 43.1214, 22.6239,
9.9538

■ 44.8081, 24.6569,
14.6485

■ 47.3325, 28.0070,
20.7262

■ 50.7954, 32.8533,
28.2916

■ 55.2831, 39.3467,
37.4389

■ 60.8713, 47.6194,
48.2538

■ 67.6287, 57.7900,
60.8156

■ 75.6181, 69.9672,
75.1986

■ 84.8977, 84.2511,
91.4724

Harmonies

Analogous

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



45.5436, 21.6295, 26.1719



42.1204, 21.6295, 6.5123



32.4396, 21.6295, 1.1040

Triad

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



42.1204, 21.6295, 6.5123



8.4742, 21.6295, 4.8242



19.6876, 21.6295, 128.1806

Complementary

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



42.1204, 21.6295, 6.5123



45.5184, 75.4246, 63.2380

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.



12.0028, 21.6295, 103.7740



42.1204, 21.6295, 6.5123



6.9429, 21.6295, 21.1109

Square

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



42.1204, 21.6295, 6.5123



13.1034, 21.6295, 0.7972



7.9944, 21.6295, 57.7520



30.4100, 21.6295, 110.7220

Rectangle

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



42.1204, 21.6295, 6.5123



24.9611, 21.6295, 0.2429



7.9944, 21.6295, 57.7520



16.7061, 21.6295, 124.3397

Sweetspot

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



42.1209, 21.6309, 6.5126



67.3217, 57.3248, 60.2537



39.6775, 18.3866, 96.0650



13.7730, 11.3084, 11.7233



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.



42.1209, 21.6309, 6.5126



42.0874, 21.5990, 6.3923



43.1103, 24.9915, 2.5823



18.1880, 18.0585, 19.6073



22.0398, 11.3052, 3.5940



2.1865, 1.1170, 0.5635

Inverse Universe

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



42.1209, 21.6309, 6.5126



42.0874, 21.5990, 6.3923



36.8069, 44.7142, 101.2980



18.1880, 18.0585, 19.6073



22.0398, 11.3052, 3.5940



2.1865, 1.1170, 0.5635

Previews

White Background



This preview shows how the XYZ color 42.1204, 21.6295, 6.5123 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 42.1204, 21.6295, 6.5123

Background



This preview shows how black text looks on a background with the XYZ color 42.1204, 21.6295, 6.5123.



This preview shows how white text looks on a background with the XYZ color 42.1204, 21.6295,

6.5123.

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

42.1204, 21.6295, 6.5123

Protanopia

20.5181, 21.9976, 13.7542

Deuteranopia

22.4963, 22.0525, 5.7602



Tritanopia

41.3287, 21.8441, 2.4900

Trichromacy



Original Color

42.1204, 21.6295, 6.5123

Protanomaly

23.5963, 16.4675, 9.9175

Deuteranomaly

26.1808, 17.5757, 5.2614

Tritanomaly

41.3342, 21.5760, 3.3525

Monochromacy



Original Color

42.1204, 21.6295, 6.5123

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

14.4777, 9.2711, 7.8639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1204, 21.6295, 6.5123 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, 1, 62)` looks like.

```
.text, #text, p{  
    color:rgb(255, 1, 62)  
}
```

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, 1, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 1, 62) }
```

Border

The CSS property to change the border of an element to XYZ 42.1204, 21.6295, 6.5123 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, 1, 62) }
```


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

```
.border{ border-color:rgb(255, 1, 62) }
```

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

Here you see how a box with a 4 pixel rgb(255, 1, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 1, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 1, 62);  
box-shadow:4px 4px 4px 4px rgb(255, 1, 62)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.1204, 21.6295, 6.5123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 1, 62) }
```

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

```
.background{ background-color: rgb(255, 1,  
62) }
```

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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