

Converting Colors

XYZ(62.2613, 31.2632, 8.4429)

Have a look what the booklet for
XYZ(62.2613, 31.2632, 8.4429)
contains.

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Color

**XYZ(42.3142, 21.6897,
7.5865)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0045
RGB	255, 0, 69
RGB Percent	100%, 0%, 27%
CMY	0.0000, 0.9997, 0.7294
CMYK	0.00, 1.00, 0.73, 0.00
HSL	344°, 100%, 50%
HSV	344°, 100%, 100%
XYZ	42.3142, 21.6897, 7.5865
YIQ	84.1110, 129.8310, 75.5190

Conversions

Conversions Part 2

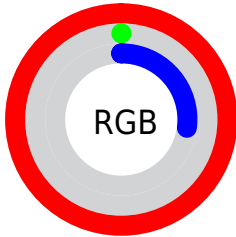
Format	Color
RYB	255, 0, 69
Decimal	16711749
CIELab	53.70, 81.37, 37.87
CIELCh	54, 89.750, 24.956
Yxy	21.6897, 0.5911, 0.3030
Android (android.graphics.Color)	4294901829 (0xFFFF0045)
YUV	84.1110, -7.4497, 149.8697
Hunter-Lab	46.5722, 80.6788, 22.9423

Details

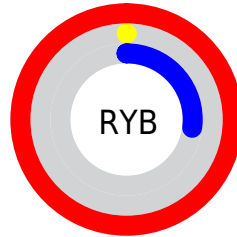
The XYZ color **42.3142, 21.6897, 7.5865** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **44.6310, 75.0682, 58.6308**, and the grayscale version is **8.4539, 8.8941, 9.6857**.

A 20% lighter version of the original color is **48.8186, 31.2797, 20.2942**, and **21.1727, 10.8934, 1.9640** is the 20% darker color. If you saturate the color by 10%, you get **42.3123, 21.6889, 7.5781**, and if you desaturate by 10%, it is **43.3448, 22.6778, 11.2397**.

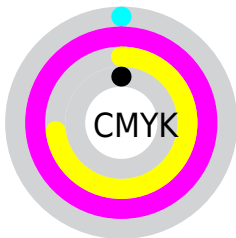
Distribution



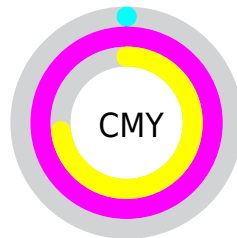
- Red (100%)
- Green (0%)
- Blue (27%)



- Red (100%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (73%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3142, 21.6897, 7.5865 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 42.3142, 21.6897, 7.5865 by changing the saturation by 10% instead.


 42.3142, 21.6897,
7.5865


 42.3142, 21.6897,
7.5865


346.7533,
260.9215, 182.2636


 29.5396, 13.6291,
3.7476


 77.9371, 46.2326,
21.6764


 19.6357, 7.8631,
1.4879


 101.5161, 63.4837,
32.7644

 12.2372, 4.0075,
0.2089


 129.4273, 84.5670,
47.1058

 6.9788, 1.6778,
0.0000

 162.0360,
109.8670, 65.1193

 3.4951, 0.4092,
0.0000

 199.7076,
139.7680, 87.2232

 1.4206, 0.0000,
0.0000

 242.8075,

 0.2709, 0.0000,

174.6546, 113.8362

0.0000

291.7009,
214.9109, 145.3768

■ 0.0000, 0.0000,
0.0000

■ 42.3142, 21.6897,
7.5865

■ 42.3142, 21.6897,
7.5865

■ 42.3123, 21.6889,
7.5781

■ 43.3448, 22.6778,
11.2397

■ 45.0391, 24.6787,
16.0827

■ 47.5536, 27.9837,
22.2353

■ 50.9879, 32.7724,
29.7922

■ 55.4269, 39.1959,
38.8386

60.9451, 47.3864,
49.4519

67.6101, 57.4626,
61.7044

75.4834, 69.5326,
75.6632

84.6223, 83.6966,
91.3920

Harmonies

Analogous

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



45.0415, 21.6897, 28.5811



42.3142, 21.6897, 7.5865



33.1490, 21.6897, 1.3850

Triad

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



42.3142, 21.6897, 7.5865



8.8865, 21.6897, 4.3997



19.0332, 21.6897, 125.2707

Complementary

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



42.3142, 21.6897, 7.5865



44.6310, 75.0682, 58.6308

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.



11.7218, 21.6897, 98.8309



42.3142, 21.6897, 7.5865



7.1441, 21.6897, 19.2628

Square

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



42.3142, 21.6897, 7.5865



13.7610, 21.6897, 0.7837



7.9914, 21.6897, 53.7178



29.4352, 21.6897, 111.4118

Rectangle

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



42.3142, 21.6897, 7.5865



25.7928, 21.6897, 0.4129



7.9914, 21.6897, 53.7178



16.1818, 21.6897, 120.4413

Sweetspot

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



42.3147, 21.6911, 7.5868



67.5903, 57.4322, 61.6684



37.5243, 17.2605, 95.9610



13.8351, 11.3333, 12.0506



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.



42.3147, 21.6911, 7.5868



42.3126, 21.6890, 7.5781



42.6209, 24.0215, 2.3923



18.2111, 18.0677, 19.7287



22.1621, 11.3541, 4.2383



2.2012, 1.1228, 0.6408

Inverse Universe

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



42.3147, 21.6911, 7.5868



42.3126, 21.6890, 7.5781



38.6506, 48.4201, 101.9160



18.2111, 18.0677, 19.7287



22.1621, 11.3541, 4.2383



2.2012, 1.1228, 0.6408

Previews

White Background



This preview shows how the XYZ color 42.3142, 21.6897, 7.5865 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 42.3142, 21.6897, 7.5865

Background



This preview shows how black text looks on a background with the XYZ color 42.3142, 21.6897, 7.5865.



This preview shows how white text looks on a background with the XYZ color 42.3142, 21.6897,

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

42.3142, 21.6897, 7.5865

Protanopia

20.7797, 22.0831, 15.9992

Deuteranopia

22.4947, 22.0285, 6.8077



Tritanopia

41.4146, 21.9518, 2.7162

Trichromacy



Original Color

42.3142, 21.6897, 7.5865



Protanomaly

23.9617, 16.6137, 11.8414



Deuteranomaly

26.0724, 17.3878, 6.3969



Tritanomaly

41.4392, 21.6434, 3.8272

Monochromacy



Original Color

42.3142, 21.6897, 7.5865



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

14.5384, 9.2217, 8.4108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3142, 21.6897, 7.5865 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, 69)` looks like.

```
.text, #text, p{  
  color:rgb(255, 0, 69)  
}
```

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, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 69) }
```

Border

The CSS property to change the border of an element to XYZ 42.3142, 21.6897, 7.5865 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, 69) }
```


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

```
.border{ border-color:rgb(255, 0, 69) }
```

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, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 69);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 69)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.3142, 21.6897, 7.5865 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, 69) }
```

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

```
.background{ background-color: rgb(255, 0,  
69) }
```

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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