

Converting Colors

XYZ(42.5128, 22.2709, 7.0855)

Have a look what the booklet for
XYZ(42.5128, 22.2709, 7.0855)
contains.

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Color

**XYZ(42.5005, 22.2544,
7.0565)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1741
RGB	255, 23, 65
RGB Percent	100%, 9%, 25%
CMY	0.0000, 0.9097, 0.7451
CMYK	0.00, 0.91, 0.75, 0.00
HSL	349°, 100%, 55%
HSV	349°, 91%, 100%
XYZ	42.5005, 22.2544, 7.0565
YIQ	97.1560, 124.7900, 62.2460

Conversions

Conversions Part 2

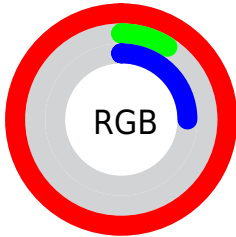
Format	Color
RYB	255, 23, 65
Decimal	16717633
CIELab	54.30, 79.35, 40.86
CIElCh	54, 89.250, 27.249
Yxy	22.2544, 0.5918, 0.3099
Android (android.graphics.Color)	4294907713 (0xFFFF1741)
YUV	97.1560, -15.8529, 138.4292
Hunter-Lab	47.1746, 78.2587, 24.1534

Details

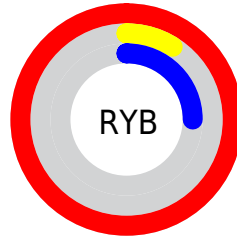
The XYZ color **42.5005, 22.2544, 7.0565** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **48.1289, 76.5081, 75.2061**, and the grayscale version is **11.4217, 12.0165, 13.0860**.

A 20% lighter version of the original color is **49.0709, 32.1528, 19.2426**, and **21.1311, 10.8767, 1.7447** is the 20% darker color. If you saturate the color by 10%, you get **41.7354, 21.4581, 4.5404**, and if you desaturate by 10%, it is **43.9940, 24.0881, 11.1110**.

Distribution



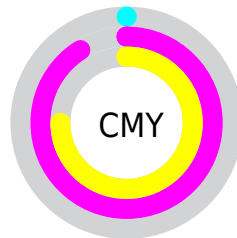
- Red (100%)
- Green (9%)
- Blue (25%)



- Red (100%)
- Yellow (9%)
- Blue (25%)



- Cyan (0%)
- Magenta (91%)
- Yellow (75%)
- Black (0%)




- Cyan (0%)
- Magenta (91%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5005, 22.2544, 7.0565 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 42.5005, 22.2544, 7.0565 by changing the saturation by 10% instead.

 42.5005, 22.2544,
7.0565


 42.5005, 22.2544,
7.0565


347.5100,
263.8719, 177.7811


 29.6862, 14.0439,
3.4185


 78.2170, 47.1661,
20.6016


 19.7474, 8.1512,
1.3121


 101.8499, 64.6362,
31.3457


 12.3188, 4.1919,
0.0717


 129.8197, 85.9615,
45.2957

 7.0349, 1.7815,
0.0000

 162.4918,
111.5266, 62.8699

 3.5305, 0.4756,
0.0000

 200.2315,
141.7158, 84.4871

 1.4401, 0.0000,
0.0000

 243.4042,

 0.2845, 0.0000,

176.9135, 110.5656

0.0000

292.3752,
217.5041, 141.5241

■ 0.0000, 0.0000,
0.0000

■ 42.5005, 22.2544,
7.0565

■ 42.5005, 22.2544,
7.0565

■ 41.7354, 21.4581,
4.5404

■ 43.9940, 24.0881,
11.1110

■ 46.3330, 27.2192,
16.6595

■ 49.6266, 31.8353,
23.8345

■ 53.9668, 38.0921,
32.7530

■ 59.4343, 46.1254,
43.5211

66.1018, 56.0569,
56.2359

74.0359, 67.9977,
70.9880

83.2980, 82.0500,
87.8621

93.9459, 98.3092,
106.9380

Harmonies

Analogous

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



45.8537, 22.2544, 26.8919



42.5005, 22.2544, 7.0565



32.9608, 22.2544, 1.3367

Triad

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



42.5005, 22.2544, 7.0565



9.0048, 22.2544, 5.2766



20.2678, 22.2544, 126.6717

Complementary

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



42.5005, 22.2544, 7.0565



48.1289, 76.5081, 75.2061

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.



12.5661, 22.2544, 102.8916



42.5005, 22.2544, 7.0565



7.4365, 22.2544, 21.7521

Square

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



42.5005, 22.2544, 7.0565



13.6963, 22.2544, 0.9979



8.5067, 22.2544, 57.9339



30.9164, 22.2544, 109.7757

Rectangle

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



42.5005, 22.2544, 7.0565



25.5515, 22.2544, 0.4589



8.5067, 22.2544, 57.9339



17.2892, 22.2544, 122.9190

Sweetspot

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



42.5010, 22.2558, 7.0568



69.0935, 60.5462, 61.8377



45.6449, 21.9017, 96.4288



14.2350, 12.1280, 12.1994



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.



42.5010, 22.2558, 7.0568



41.7357, 21.4583, 4.5404



45.6227, 29.7777, 4.1557



18.1435, 18.0407, 19.3730



21.8462, 11.2278, 2.5747



2.1617, 1.1070, 0.4328

Inverse Universe

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



42.5010, 22.2558, 7.0568



41.7357, 21.4583, 4.5404



35.0390, 40.6723, 100.6109



18.1435, 18.0407, 19.3730



21.8462, 11.2278, 2.5747



2.1617, 1.1070, 0.4328

Previews

White Background



This preview shows how the XYZ color 42.5005, 22.2544, 7.0565 looks on a white background.

Color Contrast Check

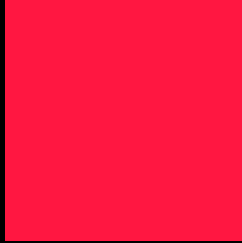
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.5005, 22.2544, 7.0565 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 42.5005, 22.2544, 7.0565

Background



This preview shows how black text looks on a background with the XYZ color 42.5005, 22.2544, 7.0565.



This preview shows how white text looks on a background with the XYZ color 42.5005, 22.2544,

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

42.5005, 22.2544, 7.0565

Protanopia

20.9555, 22.4038, 14.5291

Deuteranopia

22.7055, 22.3357, 6.2465



Tritanopia

41.6265, 22.2424, 3.1979

Trichromacy



Original Color

42.5005, 22.2544, 7.0565

Protanomaly

24.6722, 18.0831, 10.7844

Deuteranomaly

26.8870, 18.8377, 5.9603

Tritanomaly

41.7127, 22.1097, 4.1669

Monochromacy



Original Color

42.5005, 22.2544, 7.0565

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

17.1563, 11.9062, 9.9882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5005, 22.2544, 7.0565 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, 23, 65)` looks like.

```
.text, #text, p{  
    color:rgb(255, 23, 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, 23, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 23, 65) }
```

Border

The CSS property to change the border of an element to XYZ 42.5005, 22.2544, 7.0565 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, 23, 65) }
```


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

```
.border{ border-color:rgb(255, 23, 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, 23, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 23, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 23, 65);  
box-shadow:4px 4px 4px 4px rgb(255, 23,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5005, 22.2544, 7.0565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 23, 65) }
```

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

```
.background{ background-color: rgb(255, 23,  
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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