

Converting Colors

XYZ(42.5847, 22.4642, 6.9568)

Have a look what the booklet for
XYZ(42.5847, 22.4642, 6.9568)
contains.

XYZ(42.5807, 22.4607, 6.9416)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.5807, 22.4607,
6.9416)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1C40
RGB	255, 28, 64
RGB Percent	100%, 11%, 25%
CMY	0.0000, 0.8901, 0.7490
CMYK	0.00, 0.89, 0.75, 0.00
HSL	350°, 100%, 55%
HSV	350°, 89%, 100%
XYZ	42.5807, 22.4607, 6.9416
YIQ	99.9770, 123.7360, 59.3200

Conversions

Conversions Part 2

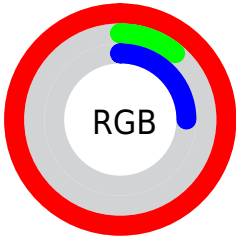
Format	Color
RYB	255, 28, 64
Decimal	16718912
CIELab	54.51, 78.65, 41.68
CIElCh	55, 89.012, 27.918
Yxy	22.4607, 0.5915, 0.3120
Android (android.graphics.Color)	4294908992 (0xFFFF1C40)
YUV	99.9770, -17.7367, 135.9552
Hunter-Lab	47.3927, 77.4387, 24.4907

Details

The XYZ color **42.5807, 22.4607, 6.9416** 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 **49.0299, 76.8830, 79.2955**, and the grayscale version is **12.1332, 12.7651, 13.9011**.

A 20% lighter version of the original color is **49.2162, 32.5330, 19.0148**, and **21.1216, 10.8730, 1.6949** is the 20% darker color. If you saturate the color by 10%, you get **41.6949, 21.4859, 4.1913**, and if you desaturate by 10%, it is **44.1953, 24.5181, 11.0935**.

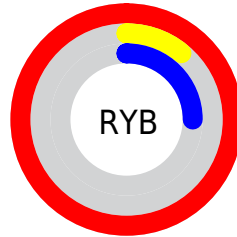
Distribution



Red (100%)

Green (11%)

Blue (25%)



Red (100%)

Yellow (11%)

Blue (25%)

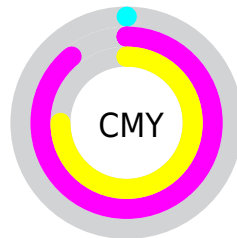


Cyan (0%)

Magenta (89%)

Yellow (75%)

Black (0%)



Cyan (0%)


Magenta (89%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5807, 22.4607, 6.9416 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 42.5807, 22.4607, 6.9416 by changing the saturation by 10% instead.


 42.5807, 22.4607,
6.9416


 42.5807, 22.4607,
6.9416


347.8354,
264.9428, 176.7900


 29.7494, 14.1958,
3.3477


 78.3374, 47.5063,
20.3665


 19.7955, 8.2570,
1.2748


 101.9935, 65.0557,
31.0346

 12.3539, 4.2598,
0.0410


 129.9885, 86.4688,
44.8978

 7.0591, 1.8199,
0.0000

 162.6878,
112.1300, 62.3747

 3.5457, 0.4996,
0.0000

 200.4568,
142.4235, 83.8839

 1.4485, 0.0000,
0.0000

 243.6608,

 0.2904, 0.0000,

177.7339, 109.8438

0.0000

292.6652,
218.4456, 140.6730

■ 0.0000, 0.0000,
0.0000

■ 42.5807, 22.4607,
6.9416

■ 42.5807, 22.4607,
6.9416

■ 41.6949, 21.4859,
4.1913

■ 44.1953, 24.5181,
11.0935

■ 41.6297, 21.4159,
3.9838

■ 46.6876, 27.9164,
16.8151

■ 50.1650, 32.8366,
24.2466

■ 54.7186, 39.4306,
33.5120

■ 60.4288, 47.8318,
44.7233

67.3685, 58.1602,
57.9837

75.6043, 70.5253,
73.3891

85.1982, 85.0284,
91.0290

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



46.1135, 22.4607, 26.4595



42.5807, 22.4607, 6.9416



32.9403, 22.4607, 1.3382

Triad

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



42.5807, 22.4607, 6.9416



9.0733, 22.4607, 5.5818



20.6741, 22.4607, 126.9955

Complementary

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



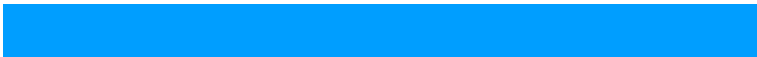
42.5807, 22.4607, 6.9416



49.0299, 76.8830, 79.2955

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.



12.8554, 22.4607, 104.0437



42.5807, 22.4607, 6.9416



7.5548, 22.4607, 22.5560

Square

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



42.5807, 22.4607, 6.9416



13.7154, 22.4607, 1.0762



8.6936, 22.4607, 59.2141



31.3895, 22.4607, 109.2516

Rectangle

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



42.5807, 22.4607, 6.9416



25.5197, 22.4607, 0.4857



8.6936, 22.4607, 59.2141



17.6581, 22.4607, 123.5651

Sweetspot

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



42.5812, 22.4621, 6.9419



68.9155, 60.4751, 60.9004



47.1322, 22.8300, 96.5296



14.1941, 12.1117, 11.9841



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.



42.5812, 22.4621, 6.9419



41.6300, 21.4160, 3.9838



46.3687, 31.1819, 4.6755



18.1267, 18.0340, 19.2845



21.7871, 11.2041, 2.2633



2.1535, 1.1038, 0.3897

Inverse Universe

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



42.5812, 22.4621, 6.9419



41.6300, 21.4160, 3.9838



34.7188, 39.8455, 100.4682



18.1267, 18.0340, 19.2845



21.7871, 11.2041, 2.2633



2.1535, 1.1038, 0.3897

Previews

White Background



This preview shows how the XYZ color 42.5807, 22.4607, 6.9416 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 42.5807, 22.4607, 6.9416

Background



This preview shows how black text looks on a background with the XYZ color 42.5807, 22.4607, 6.9416.



This preview shows how white text looks on a background with the XYZ color 42.5807, 22.4607,

6.9416.

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

42.5807, 22.4607, 6.9416

Protanopia

21.1664, 22.7215, 14.0966

Deuteranopia

22.8876, 22.4321, 6.1411



Tritanopia

41.7646, 22.4369, 3.4960

Trichromacy



Original Color

42.5807, 22.4607, 6.9416

Protanomaly

24.8943, 18.5906, 10.6638

Deuteranomaly

27.0269, 19.1564, 5.8875

Tritanomaly

41.8715, 22.3404, 4.4881

Monochromacy



Original Color

42.5807, 22.4607, 6.9416

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

17.8794, 12.6536, 10.5169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5807, 22.4607, 6.9416 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, 28, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 28, 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, 28, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 28, 64) }
```

Border

The CSS property to change the border of an element to XYZ 42.5807, 22.4607, 6.9416 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, 28, 64) }
```


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

```
.border{ border-color:rgb(255, 28, 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, 28, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 28, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 28, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 28,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5807, 22.4607, 6.9416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 28, 64) }
```

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

```
.background{ background-color: rgb(255, 28,  
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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