

Converting Colors

XYZ(42.7801, 22.8710, 6.9731)

Have a look what the booklet for
XYZ(42.7801, 22.8710, 6.9731)
contains.

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Color

**XYZ(42.7963, 22.8919,
7.0135)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2440
RGB	255, 36, 64
RGB Percent	100%, 14%, 25%
CMY	0.0000, 0.8587, 0.7490
CMYK	0.00, 0.86, 0.75, 0.00
HSL	352°, 100%, 57%
HSV	352°, 86%, 100%
XYZ	42.7963, 22.8919, 7.0135
YIQ	104.6730, 121.5360, 55.1360

Conversions

Conversions Part 2

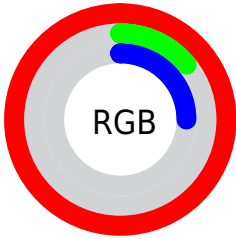
Format	Color
RYB	255, 36, 64
Decimal	16720960
CIELab	54.96, 77.36, 42.17
CIELCh	55, 88.113, 28.597
Yxy	22.8919, 0.5887, 0.3149
Android (android.graphics.Color)	4294911040 (0xFFFF2440)
YUV	104.6730, -20.0518, 131.8368
Hunter-Lab	47.8455, 75.9331, 24.8007

Details

The XYZ color **42.7963, 22.8919, 7.0135** 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 **50.3566, 77.4424, 84.9841**, and the grayscale version is **13.3716, 14.0680, 15.3200**.

A 20% lighter version of the original color is **49.5272, 33.1550, 19.1184**, and **21.1216, 10.8730, 1.6949** is the 20% darker color. If you saturate the color by 10%, you get **41.7676, 21.6539, 4.1461**, and if you desaturate by 10%, it is **44.6262, 25.3295, 11.3925**.

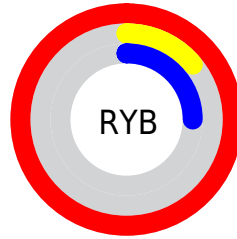
Distribution



Red (100%)

Green (14%)

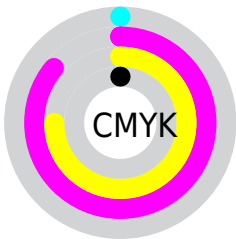
Blue (25%)



Red (100%)

Yellow (14%)

Blue (25%)

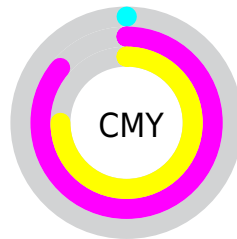


Cyan (0%)

Magenta (86%)

Yellow (75%)

Black (0%)



Cyan (0%)


Magenta (86%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7963, 22.8919, 7.0135 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 42.7963, 22.8919, 7.0135 by changing the saturation by 10% instead.


 42.7963, 22.8919,
7.0135


 42.7963, 22.8919,
7.0135


348.7091,
267.1693, 177.4110


 29.9191, 14.5137,
3.3920


 78.6610, 48.2158,
20.5137


 19.9250, 8.4788,
1.2981


 102.3793, 65.9302,
31.2294


 12.4485, 4.4028,
0.0602


 130.4420, 87.5256,
45.1470

 7.1243, 1.9014,
0.0000

 163.2144,
113.3862, 62.6849

 3.5869, 0.5492,
0.0000

 201.0620,
143.8965, 84.2618

 1.4712, 0.0000,
0.0000

 244.3501,

 0.3061, 0.0000,

179.4408, 110.2960

0.0000

293.4440,
220.4036, 141.2063

■ 0.0000, 0.0000,
0.0000

■ 42.7963, 22.8919,
7.0135

■ 42.7963, 22.8919,
7.0135

■ 41.7676, 21.6539,
4.1461

■ 44.6262, 25.3295,
11.3925

■ 41.5084, 21.3673,
3.3446

■ 47.3826, 29.1734,
17.4568

■ 51.1703, 34.5958,
25.3566

■ 56.0791, 41.7429,
35.2252

■ 62.1890, 50.7446,
47.1834

69.5728, 61.7179,
61.3421

78.2974, 74.7703,
77.8045

88.4248, 90.0017,
96.6671

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.



46.4899, 22.8919, 26.2677



42.7963, 22.8919, 7.0135



33.1004, 22.8919, 1.4257

Triad

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



42.7963, 22.8919, 7.0135



9.3313, 22.8919, 6.0776



21.3008, 22.8919, 126.8267

Complementary

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



42.7963, 22.8919, 7.0135



50.3566, 77.4424, 84.9841

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.



13.3572, 22.8919, 104.9343



42.7963, 22.8919, 7.0135



7.8537, 22.8919, 23.6296

Square

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



42.7963, 22.8919, 7.0135



13.9417, 22.8919, 1.2388



9.0718, 22.8919, 60.6082



32.0565, 22.8919, 108.4108

Rectangle

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



42.7963, 22.8919, 7.0135



25.6917, 22.8919, 0.5863



9.0718, 22.8919, 60.6082



18.2480, 22.8919, 123.7546

Sweetspot

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



42.7968, 22.8933, 7.0138



69.4707, 61.5653, 61.1475



49.9837, 24.6201, 96.7248



14.2916, 12.3166, 11.9857



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.



42.7968, 22.8933, 7.0138



41.5086, 21.3675, 3.3446



47.8404, 33.9511, 5.7029



18.1038, 18.0248, 19.1638



21.7182, 11.1766, 1.9006



2.1428, 1.0995, 0.3332

Inverse Universe

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



42.7968, 22.8933, 7.0138



41.5086, 21.3675, 3.3446



34.0517, 38.1422, 100.1746



18.1038, 18.0248, 19.1638



21.7182, 11.1766, 1.9006



2.1428, 1.0995, 0.3332

Previews

White Background



This preview shows how the XYZ color 42.7963, 22.8919, 7.0135 looks on a white background.

Color Contrast Check

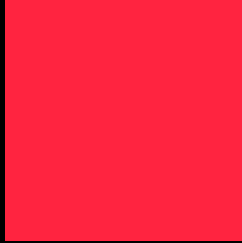
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.7963, 22.8919, 7.0135 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 42.7963, 22.8919, 7.0135

Background



This preview shows how black text looks on a background with the XYZ color 42.7963, 22.8919, 7.0135.



This preview shows how white text looks on a background with the XYZ color 42.7963, 22.8919,

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

42.7963, 22.8919, 7.0135

Protanopia

21.3824, 23.0436, 13.6768

Deuteranopia

23.2192, 22.7900, 6.1927



Tritanopia

42.0322, 22.8032, 4.1056

Trichromacy



Original Color

42.7963, 22.8919, 7.0135

Protanomaly

25.3261, 19.2259, 10.3588

Deuteranomaly

27.6299, 19.9749, 6.0137

Tritanomaly

42.1321, 22.7353, 4.9640

Monochromacy



Original Color

42.7963, 22.8919, 7.0135

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

19.2113, 13.9491, 11.3528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7963, 22.8919, 7.0135 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, 36, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 36, 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, 36, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 36, 64) }
```

Border

The CSS property to change the border of an element to XYZ 42.7963, 22.8919, 7.0135 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, 36, 64) }
```


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

```
.border{ border-color:rgb(255, 36, 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, 36, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 36, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 36, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 36,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7963, 22.8919, 7.0135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 36, 64) }
```

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

```
.background{ background-color: rgb(255, 36,  
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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