

Converting Colors

XYZ(42.7571, 22.6348, 7.5525)

Have a look what the booklet for
XYZ(42.7571, 22.6348, 7.5525)
contains.

XYZ(42.7734, 22.6573, 7.5877)	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(42.7734, 22.6573,
7.5877)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1F44
RGB	255, 31, 68
RGB Percent	100%, 12%, 27%
CMY	0.0000, 0.8783, 0.7333
CMYK	0.00, 0.88, 0.73, 0.00
HSL	350°, 100%, 56%
HSV	350°, 88%, 100%
XYZ	42.7734, 22.6573, 7.5877
YIQ	102.1940, 121.6270, 58.9950

Conversions

Conversions Part 2

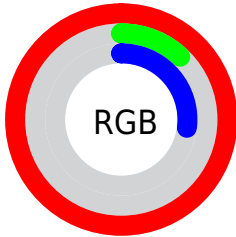
Format	Color
RYB	255, 31, 68
Decimal	16719684
CIELab	54.72, 78.34, 39.62
CIELCh	55, 87.795, 26.829
Yxy	22.6573, 0.5858, 0.3103
Android (android.graphics.Color)	4294909764 (0xFFFF1F44)
YUV	102.1940, -16.8576, 134.0109
Hunter-Lab	47.5997, 77.1019, 23.8686

Details

The XYZ color **42.7734, 22.6573, 7.5877** 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 **48.9843, 76.8748, 78.6053**, and the grayscale version is **12.7042, 13.3658, 14.5553**.

A 20% lighter version of the original color is **49.5464, 32.8290, 20.2482**, and **21.1617, 10.8890, 1.9061** is the 20% darker color. If you saturate the color by 10%, you get **41.8070, 21.5828, 4.6211**, and if you desaturate by 10%, it is **44.4951, 24.8659, 11.9698**.

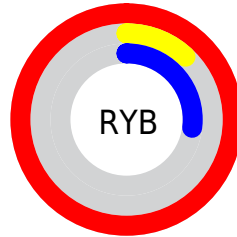
Distribution



Red (100%)

Green (12%)

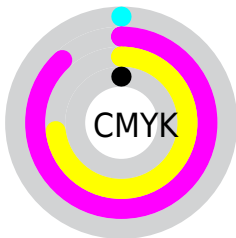
Blue (27%)



Red (100%)

Yellow (12%)

Blue (27%)

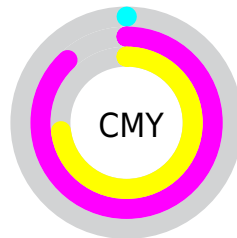


Cyan (0%)

Magenta (88%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (88%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7734, 22.6573, 7.5877 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 42.7734, 22.6573, 7.5877 by changing the saturation by 10% instead.


 42.7734, 22.6573,
7.5877


 42.7734, 22.6573,
7.5877


348.6164,
265.9599, 182.2735

 29.9011, 14.3407,
3.7483


 78.6266, 47.8300,
21.6788


 19.9112, 8.3580,
1.4883


 102.3383, 65.4549,
32.7676

 12.4384, 4.3249,
0.2092


 130.3938, 86.9512,
47.1099

 7.1173, 1.8569,
0.0000

 163.1585,
112.7035, 65.1243

 3.5826, 0.5223,
0.0000

 200.9978,
143.0962, 87.2293

 1.4688, 0.0000,
0.0000

244.2769,

 0.3045, 0.0000,

178.5135, 113.8435

0.0000

293.3613,
219.3400, 145.3854

■ 0.0000, 0.0000,
0.0000

■ 42.7734, 22.6573,
7.5877

■ 42.7734, 22.6573,
7.5877

■ 41.8070, 21.5828,
4.6211

■ 44.4951, 24.8659,
11.9698

■ 41.6594, 21.4277,
4.1395

■ 47.1055, 28.4373,
17.9246

■ 50.7088, 33.5483,
25.5867

■ 55.3944, 40.3480,
35.0758

■ 61.2412, 48.9680,
46.5004

68.3208, 59.5265,
59.9606

76.6989, 72.1320,
75.5495

86.4366, 86.8849,
93.3542

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



45.9698, 22.6573, 27.7368



42.7734, 22.6573, 7.5877



33.4049, 22.6573, 1.5469

Triad

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



42.7734, 22.6573, 7.5877



9.4128, 22.6573, 5.4909



20.5221, 22.6573, 125.3037

Complementary

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



42.7734, 22.6573, 7.5877



48.9843, 76.8748, 78.6053

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.



12.8741, 22.6573, 101.5644



42.7734, 22.6573, 7.5877



7.7866, 22.6573, 21.8379

Square

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



42.7734, 22.6573, 7.5877



14.1812, 22.6573, 1.1267



8.8324, 22.6573, 57.3853



31.0724, 22.6573, 109.3265

Rectangle

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



42.7734, 22.6573, 7.5877



26.0594, 22.6573, 0.6191



8.8324, 22.6573, 57.3853



17.5673, 22.6573, 121.4429

Sweetspot

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



42.7739, 22.6587, 7.5880



69.7569, 61.6798, 62.6547



47.3558, 23.0562, 96.5616



14.3576, 12.3430, 12.3333



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.



42.7739, 22.6587, 7.5880



41.6596, 21.4278, 4.1396



46.6092, 31.6023, 4.9416



18.1317, 18.0360, 19.3105



21.8037, 11.2108, 2.3508



2.1558, 1.1047, 0.4019

Inverse Universe

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



42.7739, 22.6587, 7.5880



41.6596, 21.4278, 4.1396



35.0063, 40.2927, 100.5395



18.1317, 18.0360, 19.3105



21.8037, 11.2108, 2.3508



2.1558, 1.1047, 0.4019

Previews

White Background



This preview shows how the XYZ color 42.7734, 22.6573, 7.5877 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 42.7734, 22.6573, 7.5877 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 42.7734, 22.6573, 7.5877

Background



This preview shows how black text looks on a background with the XYZ color 42.7734, 22.6573, 7.5877.



This preview shows how white text looks on a background with the XYZ color 42.7734, 22.6573,

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

42.7734, 22.6573, 7.5877

Protanopia

21.4011, 22.8154, 15.3325

Deuteranopia

23.1275, 22.7296, 6.7827



Tritanopia

41.9170, 22.6492, 3.8315

Trichromacy



Original Color

42.7734, 22.6573, 7.5877

Protanomaly

25.1451, 18.8341, 11.5426

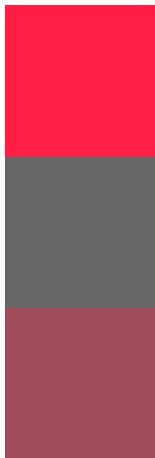
Deuteranomaly

27.3216, 19.5442, 6.6074

Tritanomaly

42.0374, 22.5460, 4.9325

Monochromacy



Original Color

42.7734, 22.6573, 7.5877

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

18.5305, 13.1762, 11.2395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7734, 22.6573, 7.5877 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, 31, 68)` looks like.

```
.text, #text, p{  
    color:rgb(255, 31, 68)  
}
```

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, 31, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 31, 68) }
```

Border

The CSS property to change the border of an element to XYZ 42.7734, 22.6573, 7.5877 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, 31, 68) }
```


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

```
.border{ border-color:rgb(255, 31, 68) }
```

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

Here you see how a box with a 4 pixel rgb(255, 31, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 31, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 31, 68);  
box-shadow:4px 4px 4px 4px rgb(255, 31,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7734, 22.6573, 7.5877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 31, 68) }
```

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

```
.background{ background-color: rgb(255, 31,  
68) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor