

Converting Colors

XYZ(42.2733, 22.8874, 3.6285)

Have a look what the booklet for
XYZ(42.2733, 22.8874, 3.6285)
contains.

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Color

**XYZ(42.2733, 22.8874,
3.6285)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2821
RGB	255, 40, 33
RGB Percent	100%, 16%, 13%
CMY	0.0000, 0.8430, 0.8706
CMYK	0.00, 0.84, 0.87, 0.00
HSL	2°, 100%, 56%
HSV	2°, 87%, 100%
XYZ	42.2733, 22.8874, 3.6285
YIQ	103.4870, 130.3870, 43.4030

Conversions

Conversions Part 2

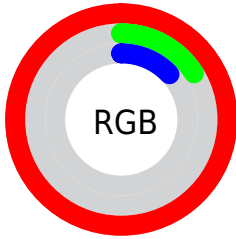
Format	Color
R_{YB}	255, 40, 33
Decimal	16721953
CIE _{Lab}	54.96, 75.82, 57.98
CIE _{LCh}	55, 95.444, 37.405
Yxy	22.8874, 0.6145, 0.3327
Android (android.graphics.Color)	4294912033 (0xFFFF2821)
YUV	103.4870, -34.7501, 132.8769
Hunter-Lab	47.8408, 74.0057, 28.9917

Details

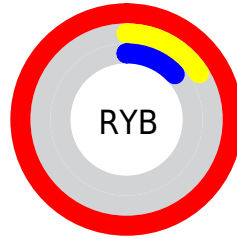
The XYZ color **42.2733, 22.8874, 3.6285** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **52.2371, 74.6633, 106.2652**, and the grayscale version is **13.0895, 13.7712, 14.9968**.

A 20% lighter version of the original color is **48.3389, 33.0211, 11.8086**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.4563, 21.6273, 2.2049**, and if you desaturate by 10%, it is **43.8903, 25.3186, 6.6438**.

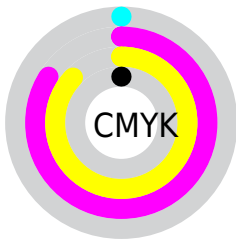
Distribution



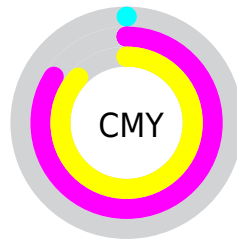
- Red (100%)
- Green (16%)
- Blue (13%)



- Red (100%)
- Yellow (16%)
- Blue (13%)



- Cyan (0%)
- Magenta (84%)
- Yellow (87%)
- Black (0%)




- Cyan (0%)
- Magenta (84%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2733, 22.8874, 3.6285 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 42.2733, 22.8874, 3.6285 by changing the saturation by 10% instead.


 42.2733, 22.8874,
3.6285


 42.2733, 22.8874,
3.6285


346.5870,
267.1461, 144.0020


 29.5074, 14.5104,
1.4238


 77.8757, 48.2084,
13.1435


 19.6112, 8.4765,
0.1602


 101.4428, 65.9211,
21.2909


 12.2194, 4.4013,
0.0000


 129.3411, 87.5146,
32.2563

 6.9665, 1.9005,
0.0000

 161.9359,
113.3731, 46.4582

 3.4873, 0.5487,
0.0000

 199.5925,
143.8811, 64.3152


 1.4164, 0.0000,
0.0000

 242.6763,


 0.2679, 0.0000,


179.4231, 86.2458

0.0000


 291.5527,
220.3833, 112.6686


 0.0000, 0.0000,
0.0000


 42.2733, 22.8874,
3.6285


 42.2733, 22.8874,
3.6285


 41.4563, 21.6273,
2.2049


 43.8903, 25.3186,
6.6438

 41.3272, 21.4349,
1.9592

 46.4465, 29.1132,
11.5590

 50.0560, 34.4328,
18.6176

 54.8161, 41.4155,
28.0267

 60.8131, 50.1842,
39.9690

68.1250, 60.8498,
54.6091

76.8235, 73.5144,
72.0980

86.9751, 88.2730,
92.5752

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



48.8445, 22.8874, 18.1334



42.2733, 22.8874, 3.6285



30.5542, 22.8874, 0.4638

Triad

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



42.2733, 22.8874, 3.6285



7.8481, 22.8874, 8.5571



24.4858, 22.8874, 139.0488

Complementary

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



42.2733, 22.8874, 3.6285



52.2371, 74.6633, 106.2652

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.



14.8297, 22.8874, 126.8700



42.2733, 22.8874, 3.6285



7.1630, 22.8874, 33.2195

Square

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



42.2733, 22.8874, 3.6285



11.5795, 22.8874, 1.3703



9.2550, 22.8874, 79.7945



36.6185, 22.8874, 105.8973

Rectangle

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



42.2733, 22.8874, 3.6285



22.6888, 22.8874, 0.0000



9.2550, 22.8874, 79.7945



20.8448, 22.8874, 140.3955

Sweetspot

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



42.2738, 22.8888, 3.6288



68.9794, 62.0944, 56.3234



59.2433, 29.3315, 94.0533



14.1786, 12.4370, 10.8804



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.



42.2738, 22.8888, 3.6288



41.3276, 21.4351, 1.9592



52.0571, 42.4554, 6.8899



18.0554, 18.0790, 18.6823



21.6145, 11.2402, 1.0304



2.1200, 1.1254, 0.1055

Inverse Universe

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



52.2371, 74.6633, 106.2652



51.2902, 73.7004, 106.1301



28.0991, 26.3872, 98.2192



18.5027, 20.3770, 23.2079



26.8223, 38.5541, 55.4626



2.6265, 3.7836, 5.4052

Previews

White Background



This preview shows how the XYZ color 42.2733, 22.8874, 3.6285 looks on a white background.

Color Contrast Check

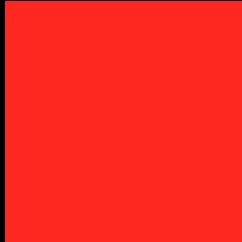
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.2733, 22.8874, 3.6285 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 42.2733, 22.8874, 3.6285

Background



This preview shows how black text looks on a background with the XYZ color 42.2733, 22.8874, 3.6285.



This preview shows how white text looks on a background with the XYZ color 42.2733, 22.8874,

3.6285.

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

42.2733, 22.8874, 3.6285

Protanopia

20.9497, 22.9719, 6.8199

Deuteranopia

23.2700, 22.8827, 3.1903



Tritanopia

42.3327, 22.9112, 3.9414

Trichromacy



Original Color

42.2733, 22.8874, 3.6285

Protanomaly

25.2047, 19.5600, 5.0318

Deuteranomaly

27.6223, 20.1741, 2.7860

Tritanomaly

42.3172, 22.9050, 3.8598

Monochromacy



Original Color

42.2733, 22.8874, 3.6285

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

18.6157, 13.8058, 8.8914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2733, 22.8874, 3.6285 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, 40, 33)` looks like.

```
.text, #text, p{  
    color:rgb(255, 40, 33)  
}
```

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, 40, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 40, 33) }
```

Border

The CSS property to change the border of an element to XYZ 42.2733, 22.8874, 3.6285 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, 40, 33) }
```


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

```
.border{ border-color:rgb(255, 40, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 40, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 40, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 40, 33);  
box-shadow:4px 4px 4px 4px rgb(255, 40,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2733, 22.8874, 3.6285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 40, 33) }
```

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

```
.background{ background-color: rgb(255, 40,  
33) }
```

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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