

Converting Colors

XYZ(42.0652, 22.4683, 3.5697)

Have a look what the booklet for
XYZ(42.0652, 22.4683, 3.5697)
contains.

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Color

**XYZ(42.0584, 22.4575,
3.5569)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2121
RGB	255, 33, 33
RGB Percent	100%, 13%, 13%
CMY	0.0000, 0.8705, 0.8706
CMYK	0.00, 0.87, 0.87, 0.00
HSL	0°, 100%, 56%
HSV	0°, 87%, 100%
XYZ	42.0584, 22.4575, 3.5569
YIQ	99.3780, 132.3120, 47.0640

Conversions

Conversions Part 2

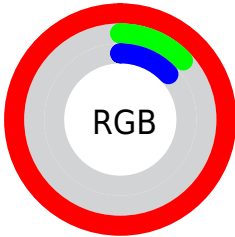
Format	Color
R_{YB}	255, 33, 33
Decimal	16720161
CIE Lab	54.51, 77.10, 57.63
CIE LCh	55, 96.257, 36.780
Yxy	22.4575, 0.6178, 0.3299
Android (android.graphics.Color)	4294910241 (0xFFFF2121)
YUV	99.3780, -32.7244, 136.4805
Hunter-Lab	47.3893, 75.4887, 28.7224

Details

The XYZ color **42.0584, 22.4575, 3.5569** 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 **54.4285, 79.0461, 106.9958**, and the grayscale version is **12.0154, 12.6411, 13.7661**.

A 20% lighter version of the original color is **47.9170, 32.1773, 11.6680**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.3626, 21.4398, 2.1737**, and if you desaturate by 10%, it is **43.5559, 24.6498, 6.5324**.

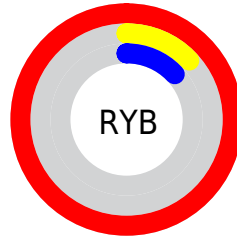
Distribution



Red (100%)

Green (13%)

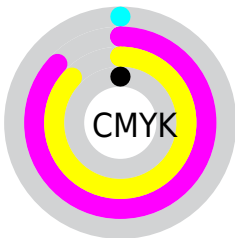
Blue (13%)



Red (100%)

Yellow (13%)

Blue (13%)

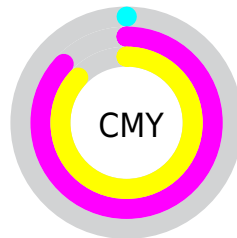


Cyan (0%)

Magenta (87%)

Yellow (87%)

Black (0%)



Cyan (0%)


Magenta (87%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0584, 22.4575, 3.5569 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 42.0584, 22.4575, 3.5569 by changing the saturation by 10% instead.


 42.0584, 22.4575,
3.5569


 42.0584, 22.4575,
3.5569


345.7125,
264.9262, 143.1651


 29.3383, 14.1934,
1.3856


 77.5526, 47.5010,
12.9742


 19.4825, 8.2553,
0.1304


 101.0575, 65.0492,
21.0573

 12.1255, 4.2588,
0.0000


 128.8880, 86.4610,
31.9480

 6.9020, 1.8193,
0.0000

 161.4095,
112.1206, 46.0648

 3.4467, 0.4992,
0.0000

 198.9873,
142.4126, 63.8265


 1.3941, 0.0000,
0.0000

 241.9868,


 0.2520, 0.0000,


177.7212, 85.6513


0.0000


 290.7735,
218.4310, 111.9580


 0.0000, 0.0000,
0.0000


 42.0584, 22.4575,
3.5569


 42.0584, 22.4575,
3.5569


 41.3626, 21.4398,
2.1737


 43.5559, 24.6498,
6.5324

 41.2400, 21.2605,
1.9301

 46.0120, 28.2440,
11.4143

 49.5512, 33.4230,
18.4495

 54.2791, 40.3414,
27.8479

 60.2886, 49.1351,
39.7945

67.6636, 59.9267,
54.4557

76.4807, 72.8286,
71.9841

86.8110, 87.9444,
92.5210

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.



48.4826, 22.4575, 18.2162



42.0584, 22.4575, 3.5569



30.3814, 22.4575, 0.3860

Triad

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



42.0584, 22.4575, 3.5569



7.6054, 22.4575, 7.9571



23.8302, 22.4575, 139.3656

Complementary

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



42.0584, 22.4575, 3.5569



54.4285, 79.0461, 106.9958

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.



14.3059, 22.4575, 126.0945



42.0584, 22.4575, 3.5569



6.8757, 22.4575, 31.9706

Square

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



42.0584, 22.4575, 3.5569



11.3591, 22.4575, 1.1971



8.8733, 22.4575, 78.3227



35.9368, 22.4575, 106.7145

Rectangle

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



42.0584, 22.4575, 3.5569



22.5048, 22.4575, 0.0000



8.8733, 22.4575, 78.3227



20.2261, 22.4575, 140.3715

Sweetspot

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



42.0589, 22.4589, 3.5572



68.5276, 61.1907, 56.1727



59.8335, 29.5676, 97.1606



14.0755, 12.2308, 10.8460



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.



42.0589, 22.4589, 3.5572



41.2403, 21.2607, 1.9301



51.4876, 41.3163, 6.7001



18.0096, 17.9874, 18.6670



21.5490, 11.1093, 1.0085



2.0982, 1.0818, 0.0982

Inverse Universe

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



54.4285, 79.0461, 106.9958



53.8004, 78.7207, 106.9668



28.6504, 27.4899, 98.4031



18.5548, 20.4811, 23.2253



28.1119, 41.1335, 55.8925



2.7372, 4.0051, 5.4421

Previews

White Background



This preview shows how the XYZ color 42.0584, 22.4575, 3.5569 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 42.0584, 22.4575, 3.5569 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 42.0584, 22.4575, 3.5569

Background



This preview shows how black text looks on a background with the XYZ color 42.0584, 22.4575, 3.5569.



This preview shows how white text looks on a background with the XYZ color 42.0584, 22.4575,

3.5569.

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

42.0584, 22.4575, 3.5569

Protanopia

20.6599, 22.6194, 6.8915

Deuteranopia

22.7247, 22.4146, 3.1287



Tritanopia

42.0338, 22.4928, 3.2885

Trichromacy



Original Color

42.0584, 22.4575, 3.5569

Protanomaly

24.8550, 18.8288, 5.0136

Deuteranomaly

27.0961, 19.5145, 2.6864

Tritanomaly

42.0464, 22.4978, 3.3547

Monochromacy



Original Color

42.0584, 22.4575, 3.5569

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

17.4964, 12.6081, 8.1681

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0584, 22.4575, 3.5569 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, 33, 33)` looks like.

```
.text, #text, p{  
    color:rgb(255, 33, 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, 33, 33) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 42.0584, 22.4575, 3.5569 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, 33, 33) }
```


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

```
.border{ border-color:rgb(255, 33, 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, 33, 33)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 42.0584, 22.4575, 3.5569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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