

Converting Colors

XYZ(42.2061, 22.6936, 3.8063)

Have a look what the booklet for
XYZ(42.2061, 22.6936, 3.8063)
contains.

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Color

**XYZ(42.2200, 22.7105,
3.8274)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2524
RGB	255, 37, 36
RGB Percent	100%, 15%, 14%
CMY	0.0000, 0.8548, 0.8588
CMYK	0.00, 0.85, 0.86, 0.00
HSL	0°, 100%, 57%
HSV	0°, 86%, 100%
XYZ	42.2200, 22.7105, 3.8274
YIQ	102.0680, 130.2490, 45.9050

Conversions

Conversions Part 2

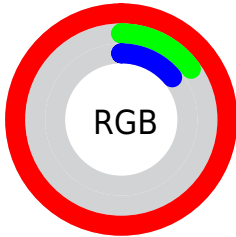
Format	Color
RYB	255, 37, 36
Decimal	16721188
CIELab	54.77, 76.45, 56.51
CIELCh	55, 95.063, 36.471
Yxy	22.7105, 0.6140, 0.3303
Android (android.graphics.Color)	4294911268 (0xFFFF2524)
YUV	102.0680, -32.5715, 134.1214
Hunter-Lab	47.6555, 74.7433, 28.5971

Details

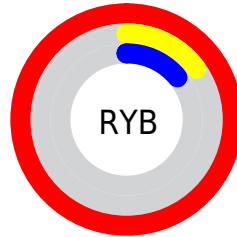
The XYZ color **42.2200, 22.7105, 3.8274** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **54.2112, 78.4625, 106.8946**, and the grayscale version is **12.7089, 13.3708, 14.5608**.

A 20% lighter version of the original color is **48.2028, 32.6252, 12.1442**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.4244, 21.5373, 2.2755**, and if you desaturate by 10%, it is **43.8403, 25.0918, 7.0185**.

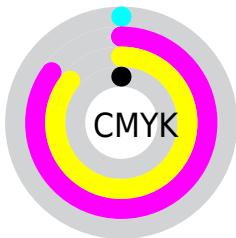
Distribution



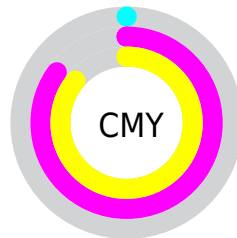
- Red (100%)
- Green (15%)
- Blue (14%)



- Red (100%)
- Yellow (15%)
- Blue (14%)



- Cyan (0%)
- Magenta (85%)
- Yellow (86%)
- Black (0%)





- Cyan (0%)
- Magenta (85%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2200, 22.7105, 3.8274 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 42.2200, 22.7105, 3.8274 by changing the saturation by 10% instead.


 42.2200, 22.7105,
3.8274

 42.2200, 22.7105,
3.8274


346.3702,
266.2346, 146.2872


 29.4655, 14.3799,
1.5311


 77.7956, 47.9175,
13.6097


 19.5793, 8.3854,
0.2410


 101.3473, 65.5627,
21.9328

 12.1961, 4.3425,
0.0000


 129.2288, 87.0816,
33.1020

 6.9505, 1.8669,
0.0000

 161.8054,
112.8585, 47.5357

 3.4772, 0.5284,
0.0000

 199.4425,
143.2779, 65.6525


 1.4109, 0.0000,
0.0000


 242.5054,


 0.2639, 0.0000,


178.7241, 87.8710


0.0000


 291.3596,
219.5815, 114.6097


 0.0000, 0.0000,
0.0000


 42.2200, 22.7105,
3.8274


 42.2200, 22.7105,
3.8274


 41.4244, 21.5373,
2.2755


 43.8403, 25.0918,
7.0185

 41.2526, 21.2857,
1.9343

 46.4322, 28.8924,
12.1465

 50.1161, 34.2885,
19.4527

 54.9945, 41.4294,
29.1431

 61.1581, 50.4475,
41.3999

68.6892, 61.4623,
56.3874

77.6628, 74.5835,
74.2566

88.1487, 89.9127,
95.1472

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.



48.4866, 22.7105, 18.7699



42.2200, 22.7105, 3.8274



30.6857, 22.7105, 0.5087

Triad

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



42.2200, 22.7105, 3.8274



7.8664, 22.7105, 8.0874



23.9406, 22.7105, 138.0776

Complementary

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



42.2200, 22.7105, 3.8274



54.2112, 78.4625, 106.8946

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.



14.4901, 22.7105, 124.5776



42.2200, 22.7105, 3.8274



7.1021, 22.7105, 31.8294

Square

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



42.2200, 22.7105, 3.8274



11.6752, 22.7105, 1.2885



9.0847, 22.7105, 77.4453



35.9399, 22.7105, 106.4008

Rectangle

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



42.2200, 22.7105, 3.8274



22.8519, 22.7105, 0.0000



9.0847, 22.7105, 77.4453



20.3670, 22.7105, 138.8929

Sweetspot

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



42.2205, 22.7119, 3.8277



68.5925, 61.3207, 56.1944



59.9204, 29.7416, 97.1895



14.0903, 12.2604, 10.8509



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.



42.2205, 22.7119, 3.8277



41.2529, 21.2859, 1.9343



51.7601, 41.7912, 7.0076



18.0162, 18.0007, 18.6693



21.5585, 11.1282, 1.0117



2.1014, 1.0881, 0.0993

Inverse Universe

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



54.2112, 78.4625, 106.8946



53.4306, 77.9812, 106.8435



28.9794, 27.9990, 98.4840



18.5472, 20.4660, 23.2227



27.9220, 40.7536, 55.8292



2.7209, 3.9726, 5.4366

Previews

White Background



This preview shows how the XYZ color 42.2200, 22.7105, 3.8274 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 42.2200, 22.7105, 3.8274 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 42.2200, 22.7105, 3.8274

Background



This preview shows how black text looks on a background with the XYZ color 42.2200, 22.7105, 3.8274.



This preview shows how white text looks on a background with the XYZ color 42.2200, 22.7105,

3.8274.

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

42.2200, 22.7105, 3.8274

Protanopia

20.8690, 22.9190, 7.3269

Deuteranopia

23.0595, 22.7742, 3.1805



Tritanopia

42.1903, 22.6986, 3.6710

Trichromacy



Original Color

42.2200, 22.7105, 3.8274

Protanomaly

25.1001, 19.2188, 5.4043

Deuteranomaly

27.2757, 19.8635, 2.7772

Tritanomaly

42.2049, 22.7045, 3.7481

Monochromacy



Original Color

42.2200, 22.7105, 3.8274

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

18.2001, 13.2679, 8.8094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2200, 22.7105, 3.8274 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, 37, 36)` looks like.

```
.text, #text, p{  
    color:rgb(255, 37, 36)  
}
```

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, 37, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 37, 36) }
```

Border

The CSS property to change the border of an element to XYZ 42.2200, 22.7105, 3.8274 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, 37, 36) }
```


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

```
.border{ border-color:rgb(255, 37, 36) }
```

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

Here you see how a box with a 4 pixel rgb(255, 37, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 37, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 37, 36);  
box-shadow:4px 4px 4px 4px rgb(255, 37,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2200, 22.7105, 3.8274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 37, 36) }
```

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

```
.background{ background-color: rgb(255, 37,  
36) }
```

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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