

Converting Colors

XYZ(41.9618, 22.3161, 3.3654)

Have a look what the booklet for
XYZ(41.9618, 22.3161, 3.3654)
contains.

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Color

**XYZ(41.9773, 22.3389,
3.3957)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1F1F
RGB	255, 31, 31
RGB Percent	100%, 12%, 12%
CMY	0.0000, 0.8783, 0.8784
CMYK	0.00, 0.88, 0.88, 0.00
HSL	0°, 100%, 56%
HSV	0°, 88%, 100%
XYZ	41.9773, 22.3389, 3.3957
YIQ	97.9760, 133.5040, 47.4880

Conversions

Conversions Part 2

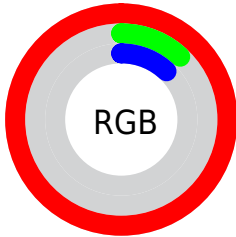
Format	Color
R_{YB}	255, 31, 31
Decimal	16719647
CIE _{Lab}	54.38, 77.39, 58.40
CIE _{LCh}	54, 96.950, 37.040
Yxy	22.3389, 0.6199, 0.3299
Android (android.graphics.Color)	4294909727 (0xFFFF1F1F)
YUV	97.9760, -33.0192, 137.7100
Hunter-Lab	47.2640, 75.8217, 28.8251

Details

The XYZ color **41.9773, 22.3389, 3.3957** 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 **54.3652, 79.0117, 106.9924**, and the grayscale version is **11.6635, 12.2709, 13.3630**.

A 20% lighter version of the original color is **47.7395, 31.9423, 11.2388**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.3299, 21.3920, 2.1087**, and if you desaturate by 10%, it is **43.4056, 24.4300, 6.2336**.

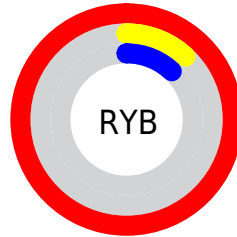
Distribution



Red (100%)

Green (12%)

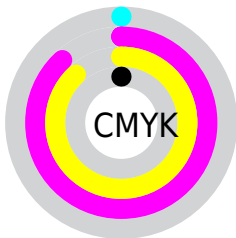
Blue (12%)



Red (100%)

Yellow (12%)

Blue (12%)

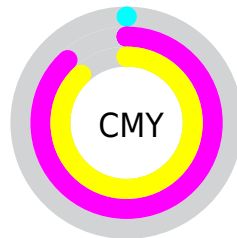


Cyan (0%)

Magenta (88%)

Yellow (88%)

Black (0%)



Cyan (0%)


Magenta (88%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9773, 22.3389, 3.3957 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 41.9773, 22.3389, 3.3957 by changing the saturation by 10% instead.


 41.9773, 22.3389,
3.3957


 41.9773, 22.3389,
3.3957


345.3821,
264.3110, 141.2511


 29.2745, 14.1061,
1.3001

 77.4306, 47.3055,
12.5902


 19.4339, 8.1945,
0.0618


 100.9120, 64.8081,
20.5261


 12.0901, 4.2197,
0.0000


 128.7168, 86.1694,
31.2458

 6.8777, 1.7972,
0.0000

 161.2106,
111.7739, 45.1680

 3.4314, 0.4854,
0.0000

 198.7587,
142.0059, 62.7110


 1.3858, 0.0000,
0.0000

 241.7264,


 0.2461, 0.0000,


177.2498, 84.2935


0.0000


 290.4790,
217.8901, 110.3340


 0.0000, 0.0000,
0.0000


 41.9773, 22.3389,
3.3957


 41.9773, 22.3389,
3.3957


 41.3299, 21.3920,
2.1087


 43.4056, 24.4300,
6.2336

 41.2400, 21.2606,
1.9301

 45.7817, 27.9071,
10.9564

 49.2320, 32.9561,
17.8147

 53.8631, 39.7328,
27.0207

 59.7689, 48.3748,
38.7610

67.0339, 59.0054,
53.2036

75.7351, 71.7377,
70.5018

85.9441, 86.6761,
90.7976

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.



48.5187, 22.3389, 17.8553



41.9773, 22.3389, 3.3957



30.2038, 22.3389, 0.3145

Triad

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



41.9773, 22.3389, 3.3957



7.4638, 22.3389, 7.9334



23.8262, 22.3389, 140.1773

Complementary

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



41.9773, 22.3389, 3.3957



54.3652, 79.0117, 106.9924

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.



14.2407, 22.3389, 127.1689



41.9773, 22.3389, 3.3957



6.7604, 22.3389, 32.1904

Square

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



41.9773, 22.3389, 3.3957



11.1799, 22.3389, 1.1567



8.7767, 22.3389, 79.0488



36.0056, 22.3389, 106.8378

Rectangle

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



41.9773, 22.3389, 3.3957



22.3011, 22.3389, 0.0000



8.7767, 22.3389, 79.0488



20.1985, 22.3389, 141.3432

Sweetspot

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



41.9778, 22.3403, 3.3960



68.5278, 61.1911, 56.1728



59.7795, 29.4598, 97.1425



14.0756, 12.2309, 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.



41.9778, 22.3403, 3.3960



41.2404, 21.2607, 1.9301



51.3094, 41.0036, 6.5066



18.0097, 17.9875, 18.6671



21.5491, 11.1094, 1.0086



2.0982, 1.0818, 0.0982

Inverse Universe

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



54.3652, 79.0117, 106.9924



53.7992, 78.7184, 106.9664



28.4374, 27.1561, 98.3498



18.5547, 20.4811, 23.2253



28.1113, 41.1323, 55.8923



2.7372, 4.0050, 5.4421

Previews

White Background



This preview shows how the XYZ color 41.9773, 22.3389, 3.3957 looks on a white background.

Color Contrast Check

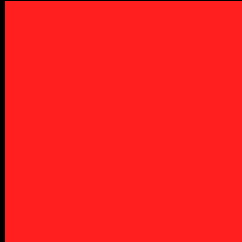
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.9773, 22.3389, 3.3957 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 41.9773, 22.3389, 3.3957

Background



This preview shows how black text looks on a background with the XYZ color 41.9773, 22.3389, 3.3957.



This preview shows how white text looks on a background with the XYZ color 41.9773, 22.3389,

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

41.9773, 22.3389, 3.3957

Protanopia

20.6130, 22.6006, 6.6441

Deuteranopia

22.7247, 22.4146, 3.1287



Tritanopia

41.9430, 22.3676, 3.0840

Trichromacy



Original Color

41.9773, 22.3389, 3.3957

Protanomaly

24.8156, 18.8130, 4.8060

Deuteranomaly

27.0053, 19.3423, 2.6267

Tritanomaly

41.9661, 22.3769, 3.2059

Monochromacy



Original Color

41.9773, 22.3389, 3.3957

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

17.2024, 12.3605, 7.9577

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9773, 22.3389, 3.3957 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, 31)` looks like.

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

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, 31) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 41.9773, 22.3389, 3.3957 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, 31) }
```


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

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

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, 31)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 41.9773, 22.3389, 3.3957 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, 31) }
```

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

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

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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