

Converting Colors

XYZ(41.9512, 22.4014, 3.0333)

Have a look what the booklet for
XYZ(41.9512, 22.4014, 3.0333)
contains.

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Color

**XYZ(41.9593, 22.4179,
3.0353)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2119
RGB	255, 33, 25
RGB Percent	100%, 13%, 10%
CMY	0.0000, 0.8705, 0.9020
CMYK	0.00, 0.87, 0.90, 0.00
HSL	2°, 100%, 55%
HSV	2°, 90%, 100%
XYZ	41.9593, 22.4179, 3.0353
YIQ	98.4660, 134.8800, 44.5760

Conversions

Conversions Part 2

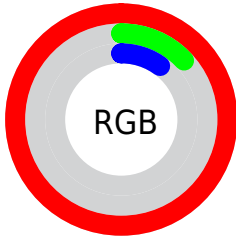
Format	Color
R_{YB}	255, 33, 25
Decimal	16720153
CIE _{Lab}	54.47, 76.98, 60.85
CIE _{LCh}	54, 98.124, 38.328
Yxy	22.4179, 0.6224, 0.3325
Android (android.graphics.Color)	4294910233 (0xFFFF2119)
YUV	98.4660, -36.2187, 137.2803
Hunter-Lab	47.3475, 75.3281, 29.3424

Details

The XYZ color **41.9593, 22.4179, 3.0353** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **51.7028, 73.9306, 106.1519**, and the grayscale version is **11.7934, 12.4076, 13.5119**.

A 20% lighter version of the original color is **47.6640, 32.0761, 10.3357**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.3362, 21.4530, 1.9622**, and if you desaturate by 10%, it is **43.3211, 24.4843, 5.5173**.

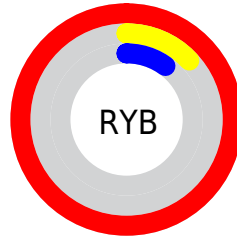
Distribution



Red (100%)

Green (13%)

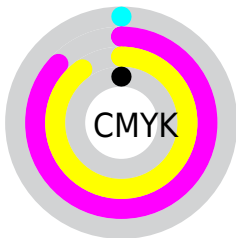
Blue (10%)



Red (100%)

Yellow (13%)

Blue (10%)

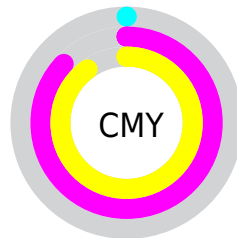


Cyan (0%)

Magenta (87%)

Yellow (90%)

Black (0%)



Cyan (0%)


Magenta (87%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9593, 22.4179, 3.0353 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 41.9593, 22.4179, 3.0353 by changing the saturation by 10% instead.


 41.9593, 22.4179,
3.0353


 41.9593, 22.4179,
3.0353


345.3087,
264.7209, 136.8090


 29.2604, 14.1643,
1.1127


 77.4036, 47.4357,
11.7154


 19.4232, 8.2350,
0.0000


 100.8797, 64.9687,
19.3100

 12.0823, 4.2457,
0.0000


 128.6788, 86.3637,
29.6323

 6.8723, 1.8119,
0.0000

 161.1665,
112.0049, 43.1009

 3.4280, 0.4946,
0.0000

 198.7079,
142.2769, 60.1344


 1.3839, 0.0000,
0.0000

 241.6685,


 0.2447, 0.0000,


177.5639, 81.1511


0.0000


 290.4137,
218.2505, 106.5698


 0.0000, 0.0000,
0.0000


 41.9593, 22.4179,
3.0353

 41.9593, 22.4179,
3.0353


 41.3362, 21.4530,
1.9622

 43.3211, 24.4843,
5.5173

 45.5803, 27.8538,
9.8116

 48.8562, 32.6952,
16.1768

 53.2498, 39.1508,
24.8292

 58.8498, 47.3465,
35.9583

■ 65.7361, 57.3952,
49.7335

■ 73.9816, 69.4009,
66.3096

■ 83.6537, 83.4593,
85.8293

94.8156, 99.6603,
108.4256

Harmonies

Analogous

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



48.9672, 22.4179, 16.8059



41.9593, 22.4179, 3.0353



29.8794, 22.4179, 0.1903

Triad

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



41.9593, 22.4179, 3.0353



7.3017, 22.4179, 8.4354



24.4408, 22.4179, 142.1450

Complementary

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



41.9593, 22.4179, 3.0353



51.7028, 73.9306, 106.1519

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.



14.5552, 22.4179, 130.9408



41.9593, 22.4179, 3.0353



6.7102, 22.4179, 34.0169

Square

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



41.9593, 22.4179, 3.0353



10.8953, 22.4179, 1.2010



8.8665, 22.4179, 82.5244



36.8514, 22.4179, 106.4050

Rectangle

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



41.9593, 22.4179, 3.0353



21.9156, 22.4179, 0.0000



8.8665, 22.4179, 82.5244



20.7108, 22.4179, 144.0912

Sweetspot

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



41.9598, 22.4193, 3.0356



68.2205, 61.0148, 54.7194



58.4271, 28.6911, 90.7233



14.0350, 12.2336, 10.5743



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.



41.9598, 22.4193, 3.0356



41.3366, 21.4532, 1.9622



51.9528, 42.4054, 6.3666



18.0602, 18.0886, 18.6839



21.6212, 11.2537, 1.0326



2.1223, 1.1299, 0.1062

Inverse Universe

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



51.7028, 73.9306, 106.1519



51.0361, 73.1922, 106.0454



26.7473, 24.0198, 97.8334



18.4973, 20.3662, 23.2061



26.6916, 38.2929, 55.4190



2.6152, 3.7611, 5.4014

Previews

White Background



This preview shows how the XYZ color 41.9593, 22.4179, 3.0353 looks on a white background.

Color Contrast Check

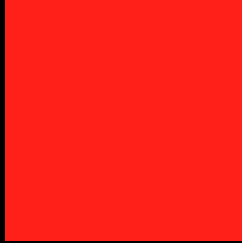
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.9593, 22.4179, 3.0353 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 41.9593, 22.4179, 3.0353

Background



This preview shows how black text looks on a background with the XYZ color 41.9593, 22.4179, 3.0353.



This preview shows how white text looks on a background with the XYZ color 41.9593, 22.4179,

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

41.9593, 22.4179, 3.0353

Protanopia

20.4635, 22.5408, 5.8570

Deuteranopia

22.7247, 22.4146, 3.1287



Tritanopia

41.9935, 22.4316, 3.2150

Trichromacy



Original Color

41.9593, 22.4179, 3.0353

Protanomaly

24.6918, 18.7635, 4.1540

Deuteranomaly

27.0791, 19.5077, 2.5966

Tritanomaly

41.9817, 22.4268, 3.1530

Monochromacy



Original Color

41.9593, 22.4179, 3.0353

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

17.1037, 12.3211, 7.4380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9593, 22.4179, 3.0353 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, 25)` looks like.

```
.text, #text, p{  
    color:rgb(255, 33, 25)  
}
```

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, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 33, 25) }
```

Border

The CSS property to change the border of an element to XYZ 41.9593, 22.4179, 3.0353 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, 25) }
```


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

```
.border{ border-color:rgb(255, 33, 25) }
```

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, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 33, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 33, 25);  
box-shadow:4px 4px 4px 4px rgb(255, 33,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9593, 22.4179, 3.0353 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, 25) }
```

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

```
.background{ background-color: rgb(255, 33,  
25) }
```

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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