

Converting Colors

XYZ(41.4674, 22.7371, 2.3544)

Have a look what the booklet for
XYZ(41.4674, 22.7371, 2.3544)
contains.

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Color

**XYZ(41.4361, 22.6950,
2.3402)**

Conversions

Conversions Part 1

Format	Color
Hex	FD2C05
RGB	253, 44, 5
RGB Percent	99%, 17%, 2%
CMY	0.0078, 0.8274, 0.9804
CMYK	0.00, 0.83, 0.98, 0.01
HSL	9°, 98%, 51%
HSV	9°, 98%, 99%
XYZ	41.4361, 22.6950, 2.3402
YIQ	102.0450, 137.0830, 32.1790

Conversions

Conversions Part 2

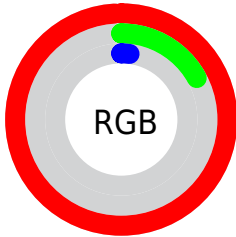
Format	Color
RYB	253, 51, 5
Decimal	16591877
CIELab	54.76, 74.14, 66.39
CIELCh	55, 99.519, 41.843
Yxy	22.6950, 0.6234, 0.3414
Android (android.graphics.Color)	4294781957 (0xFFFD2C05)
YUV	102.0450, -47.8432, 132.3875
Hunter-Lab	47.6393, 71.8886, 30.4350

Details

The XYZ color **41.4361, 22.6950, 2.3402** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **41.8332, 55.2063, 101.3788**, and the grayscale version is **12.7399, 13.4033, 14.5962**.

A 20% lighter version of the original color is **47.8216, 32.9878, 8.5494**, and **20.2497, 10.4391, 0.9477** is the 20% darker color. If you saturate the color by 10%, you get **41.2600, 22.3871, 2.1465**, and if you desaturate by 10%, it is **42.6558, 24.7976, 3.7868**.

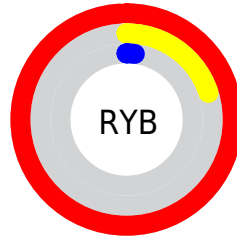
Distribution



Red (99%)

Green (17%)

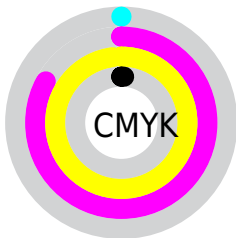
Blue (2%)



Red (99%)

Yellow (20%)

Blue (2%)

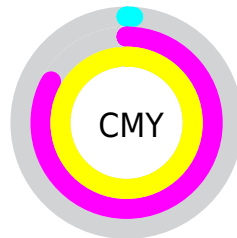


Cyan (0%)

Magenta (83%)

Yellow (98%)

Black (1%)



Cyan (1%)


Magenta (83%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.4361, 22.6950, 2.3402 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 41.4361, 22.6950, 2.3402 by changing the saturation by 10% instead.


 41.4361, 22.6950,
2.3402


 41.4361, 22.6950,
2.3402


343.1715,
266.1546, 127.4539


 28.8492, 14.3685,
0.7536


 76.6160, 47.8920,
9.9516

 19.1105, 8.3774,
0.0000


 99.9397, 65.5313,
16.8285


 11.8546, 4.3374,
0.0000


 127.5730, 87.0436,
26.3108

 6.7162, 1.8640,
0.0000

 159.8813,
112.8134, 38.8172

 3.3300, 0.5266,
0.0000

 197.2300,
143.2249, 54.7662


 1.3306, 0.0000,
0.0000

 239.9843,


 0.2059, 0.0000,


178.6627, 74.5763


0.0000


 288.5097,
219.5111, 98.6660


 0.0000, 0.0000,
0.0000


 41.4361, 22.6950,
2.3402


 41.4361, 22.6950,
2.3402

 41.2600, 22.3871,
2.1465

 42.6558, 24.7976,
3.7868

 44.5925, 27.9256,
6.7303

 47.3496, 32.1958,
11.4840

 51.0093, 37.7065,
18.2801

 55.6436, 44.5451,
27.3165

61.3170, 52.7910,
38.7671

68.0882, 62.5172,
52.7889

76.0116, 73.7919,
69.5256

85.1379, 86.6786,
89.1100

Harmonies

Analogous

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



49.5405, 22.6950, 14.2619



41.4361, 22.6950, 2.3402



28.8432, 22.6950, 0.0000

Triad

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



41.4361, 22.6950, 2.3402



7.0845, 22.6950, 10.2501



26.2011, 22.6950, 143.7314

Complementary

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



41.4361, 22.6950, 2.3402



41.8332, 55.2063, 101.3788

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.



15.6369, 22.6950, 138.2265



41.4361, 22.6950, 2.3402



6.8017, 22.6950, 39.3155

Square

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



41.4361, 22.6950, 2.3402



10.3284, 22.6950, 1.4916



9.3540, 22.6950, 90.9891



38.9459, 22.6950, 102.6906

Rectangle

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



41.4361, 22.6950, 2.3402



20.8991, 22.6950, 0.0000



9.3540, 22.6950, 90.9891



22.2570, 22.6950, 147.8318

Sweetspot

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



41.4366, 22.6964, 2.3405



68.5861, 62.5993, 52.2109



52.9307, 25.9385, 67.0467



14.0310, 12.4680, 9.8254



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.



41.4366, 22.6964, 2.3405



42.0029, 22.7858, 2.1843



54.2077, 48.2386, 6.5975



18.2401, 18.4484, 18.7439



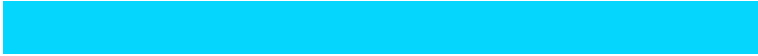
22.0154, 12.0420, 1.1640



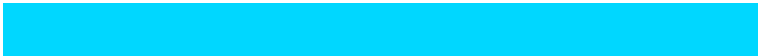
2.2070, 1.2994, 0.1345

Inverse Universe

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



41.8332, 55.2063, 101.3788



42.3193, 55.7586, 103.1398



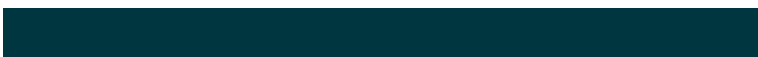
21.6020, 14.7438, 94.6350



18.2971, 19.9659, 23.1394



22.2041, 29.3177, 53.9232



2.2245, 2.9796, 5.2712

Previews

White Background



This preview shows how the XYZ color 41.4361, 22.6950, 2.3402 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



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 41.4361, 22.6950, 2.3402

Background



This preview shows how black text looks on a background with the XYZ color 41.4361, 22.6950, 2.3402.



This preview shows how white text looks on a background with the XYZ color 41.4361, 22.6950,

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

41.4361, 22.6950, 2.3402

Protanopia

20.7113, 22.8974, 4.6244

Deuteranopia

23.0595, 22.7742, 3.1805



Tritanopia

41.7022, 22.6851, 4.1002

Trichromacy



Original Color

41.4361, 22.6950, 2.3402

Protanomaly

24.9517, 19.6114, 3.2293

Deuteranomaly

27.4825, 20.3759, 2.5419

Tritanomaly

41.5697, 22.6895, 3.2255

Monochromacy



Original Color

41.4361, 22.6950, 2.3402

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

17.8602, 13.4582, 6.9665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4361, 22.6950, 2.3402 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(253, 44, 5)` looks like.

```
.text, #text, p{  
    color:rgb(253, 44, 5)  
}
```

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(253, 44, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 44, 5) }
```

Border

The CSS property to change the border of an element to XYZ 41.4361, 22.6950, 2.3402 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(253, 44, 5) }
```


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

```
.border{ border-color:rgb(253, 44, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 44, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 44, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 44, 5);  
box-shadow:4px 4px 4px 4px rgb(253, 44, 5)  
}
```

Background

The CSS property to change the background color of an element to XYZ 41.4361, 22.6950, 2.3402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 44, 5) }
```

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

```
.background{ background-color: rgb(253, 44,  
5) }
```

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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