# Converting Colors

XYZ(41.4109, 21.3283, 2.8297)

# Have a look what the booklet for XYZ(41.4109, 21.3283, 2.8297) contains.

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# Color

XYZ(41.4155, 21.3302, 2.8540)

# Conversions

Conversions Part 1

| Format | Color |
| --- | --- |
| Hex | FF0019 |
| RGB | 255, 0, 25 |
| RGB Percent | 100%, 0%, 10% |
| CMY | 0.0000, 0.9997, 0.9020 |
| CMYK | 0.00, 1.00, 0.90, 0.00 |
| HSL | 354°, 100%, 50% |
| HSV | 354°, 100%, 100% |
| XYZ | 41.4155, 21.3302, 2.8540 |
| YIQ | 79.0950, 143.9550, 61.8350 |

# Conversions

Conversions Part 2

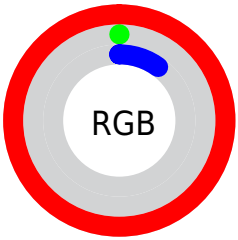
| Format | Color |
| --- | --- |
| RYB | 255, 0, 25 |
| Decimal | 16711705 |
| CIELab | 53.31, 80.32, 60.09 |
| CIELCh | 53, 100.307, 36.801 |
| Yxy | 21.3302, 0.6313, 0.3252 |
| Android (android.graphics.Color) | 4294901785 (0xFFFF0019) |
| YUV | 79.0950, -26.6688, 154.2687 |
| Hunter-Lab | 46.1846, 79.2446, 28.6654 |

# Details

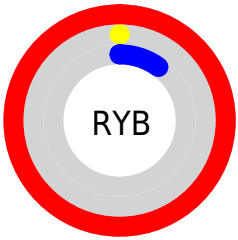
The XYZ color 41.4155, 21.3302, 2.8540 is a dark color, and the websafe version is hex FF0000. The color can be described as dark saturated red. A complement of this color would be 50.0533, 77.2370, 87.1842, and the grayscale version is 7.4878, 7.8777, 8.5788.

A 20% lighter version of the original color is 46.7507, 30.3038, 9.8637, and 20.7390, 10.6914, 0.9706 is the 20% darker color. If you saturate the color by 10%, you get 41.4145, 21.3298, 2.8504, and if you desaturate by 10%, it is 42.1333, 22.1932, 4.8601.

# Distribution

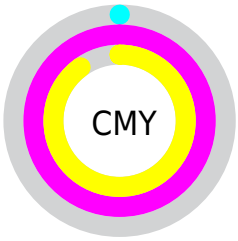



- Red (100%)
- Green (0%)
- Blue (10%)




- Red (100%)
- Yellow (0%)
- Blue (10%)

- Cyan (0%)
- Magenta (100%)
- Yellow (90%)
- Black (0%)




- Cyan (0%)
- Magenta (100%)
- Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4155, 21.3302, 2.8540 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 41.4155, 21.3302, 2.8540 by changing the saturation by 10% instead.

41.4155, 21.3302, 2.8540

343.0872, 259.0282, 134.4788

76.5850, 45.6364, 11.2660

99.9026, 62.7468, 18.6817

127.5294, 83.6746, 28.7951

159.8306, 108.8042, 42.0250

197.1717, 138.5199, 58.7897

239.9179,

41.4155, 21.3302, 2.8540

28.8330, 13.3656, 1.0206

19.0982, 7.6808, 0.0000

11.8457, 3.8914, 0.0000

6.7101, 1.6130, 0.0000

3.3262, 0.3663, 0.0000

1.3285, 0.0000, 0.0000

0.2044, 0.0000,

173.2062, 79.5079

0.0000

288.4346, 213.2475, 104.5981

0.0000, 0.0000, 0.0000

41.4155, 21.3302, 2.8540

41.4155, 21.3302, 2.8540

41.4145, 21.3298, 2.8504

42.1333, 22.1932, 4.8601

43.5644, 24.0888, 8.3170

45.8849, 27.3162, 13.4484

49.2104, 32.0614, 20.4323

53.6389, 38.4808, 29.4237

59.2567, 46.7111, 40.5612

66.1415, 56.8751, 53.9711

74.3642, 69.0849, 69.7698

83.9906, 83.4440, 88.0658

# Harmonies

## Analogous

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

48.0631, 21.3302, 16.9644

41.4155, 21.3302, 2.8540

29.4290, 21.3302, 0.0000

# Triad

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

41.4155, 21.3302, 2.8540

6.7004, 21.3302, 6.9647

22.7896, 21.3302, 143.1504

# Complementary

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

41.4155, 21.3302, 2.8540

50.0533, 77.2370, 87.1842

# 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.

13.2464, 21.3302, 129.1220

41.4155, 21.3302, 2.8540

6.0053, 21.3302, 30.8625

# Square

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

41.4155, 21.3302, 2.8540

10.3360, 21.3302, 0.8106

7.9242, 21.3302, 78.8297

35.1324, 21.3302, 108.5822

# Rectangle

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

41.4155, 21.3302, 2.8540

21.4347, 21.3302, 0.0000

7.9242, 21.3302, 78.8297

19.1555, 21.3302, 144.2304

# Sweetspot

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

41.4159, 21.3316, 2.8543

66.1210, 56.8445, 53.9309

50.5256, 23.9629, 96.5694

13.4976, 11.1983, 10.2729

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.

41.4159, 21.3316, 2.8543

41.4148, 21.3299, 2.8504

45.9956, 30.7710, 3.5172

18.0815, 18.0159, 19.0465

21.6638, 11.1548, 1.6141

2.1323, 1.0953, 0.2780

# Inverse Universe

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

41.4159, 21.3316, 2.8543

41.4148, 21.3299, 2.8504

29.4466, 30.0120, 98.8480

18.0815, 18.0159, 19.0465

21.6638, 11.1548, 1.6141

2.1323, 1.0953, 0.2780

# Previews

## White Background

This preview shows how the XYZ color 41.4155, 21.3302, 2.8540 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 41.4155, 21.3302, 2.8540 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 41.4155, 21.3302, 2.8540

## Background

This preview shows how black text looks on a background with the XYZ color 41.4155, 21.3302, 2.8540.

This preview shows how white text looks on a background with the XYZ color 41.4155, 21.3302,

2.8540.

# 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**
41.4155, 21.3302, 2.8540

**Protanopia**
19.8649, 21.8350, 5.8569

**Deuteranopia**
21.8598, 21.6004, 3.0172

## Trichromacy

**Original Color**
41.4155, 21.3302, 2.8540

**Protanomaly**
23.1507, 16.3714, 3.8593

**Deuteranomaly**
25.5386, 17.2043, 2.2332

## Monochromacy

**Original Color**
41.4155, 21.3302, 2.8540

**Achromatopsia**
7.4317, 7.8187, 8.5146

**Achromatomaly**
13.2577, 8.4366, 5.0673

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.4155, 21.3302, 2.8540 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, 0, 25) looks like.

```
.text, #text, p{
    color:rgb(255, 0, 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, 0, 25) colored shadow looks like.

Here you see how black text with a 4 pixel rgb(255, 0, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 25) }
```

## Border

The CSS property to change the border of an element to XYZ 41.4155, 21.3302, 2.8540 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, 0, 25) }
```

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

```
.border{ border-color:rgb(255, 0, 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, 0, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 0, 25); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 0, 25); box-shadow:4px 4px 4px 4px rgb(255, 0, 25) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.4155, 21.3302, 2.8540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{ background:rgb(255, 0, 25) }
```

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

```
.background{ background-color:rgb(255, 0, 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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