

Converting Colors

XYZ(41.4857, 21.6615, 2.2890)

Have a look what the booklet for
XYZ(41.4857, 21.6615, 2.2890)
contains.

XYZ(41.4801, 21.6525, 2.2803)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(41.4801, 21.6525,
2.2803)**

Conversions

Conversions Part 1

Format	Color
Hex	FF100A
RGB	255, 16, 10
RGB Percent	100%, 6%, 4%
CMY	0.0000, 0.9370, 0.9608
CMYK	0.00, 0.94, 0.96, 0.00
HSL	1°, 100%, 52%
HSV	1°, 96%, 100%
XYZ	41.4801, 21.6525, 2.2803
YIQ	86.7770, 144.3700, 48.8020

Conversions

Conversions Part 2

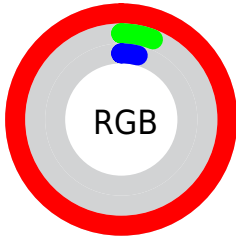
Format	Color
R_{YB}	255, 16, 10
Decimal	16715786
CIE _{Lab}	53.66, 79.02, 64.97
CIE _{LCh}	54, 102.297, 39.427
Yxy	21.6525, 0.6341, 0.3310
Android (android.graphics.Color)	4294905866 (0xFFFF100A)
YUV	86.7770, -37.8511, 147.5316
Hunter-Lab	46.5322, 77.6883, 29.6671

Details

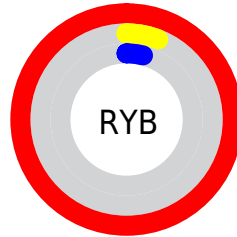
The XYZ color **41.4801, 21.6525, 2.2803** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **52.0351, 75.0046, 106.3418**, and the grayscale version is **9.0742, 9.5468, 10.3965**.

A 20% lighter version of the original color is **46.7226, 30.7445, 8.3222**, and **20.4935, 10.5648, 0.9591** is the 20% darker color. If you saturate the color by 10%, you get **41.3080, 21.3965, 1.9528**, and if you desaturate by 10%, it is **42.3408, 22.9647, 3.8305**.

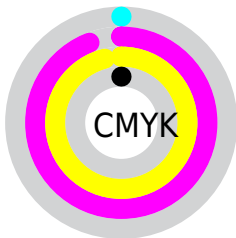
Distribution



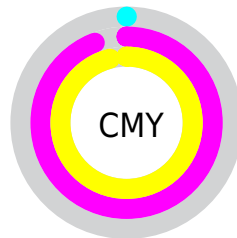
- Red (100%)
- Green (6%)
- Blue (4%)



- Red (100%)
- Yellow (6%)
- Blue (4%)



- Cyan (0%)
- Magenta (94%)
- Yellow (96%)
- Black (0%)





- Cyan (0%)
- Magenta (94%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.4801, 21.6525, 2.2803 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 41.4801, 21.6525, 2.2803 by changing the saturation by 10% instead.


 41.4801, 21.6525,
2.2803


 41.4801, 21.6525,
2.2803

343.3516,
260.7261, 126.5878


 28.8837, 13.6018,
0.7202


 76.6823, 46.1710,
9.7939

 19.1367, 7.8442,
0.0000


 100.0188, 63.4075,
16.6044


 11.8737, 3.9954,
0.0000


 127.6661, 84.4748,
26.0088

 6.7293, 1.6710,
0.0000

 159.9895,
109.7572, 38.4256

 3.3382, 0.4048,
0.0000

 197.3545,
139.6392, 54.2733

 1.3350, 0.0000,
0.0000


 240.1262,


 0.2092, 0.0000,


174.5051, 73.9706


0.0000


 288.6701,
214.7392, 97.9359


 0.0000, 0.0000,
0.0000


 41.4801, 21.6525,
2.2803

 41.4801, 21.6525,
2.2803


 41.3080, 21.3965,
1.9528

 42.3408, 22.9647,
3.8305

 44.0182, 25.4691,
7.0112

 46.6521, 29.3645,
12.1197

 50.3562, 34.8132,
19.3955

 55.2283, 41.9548,
29.0435

■ 61.3553, 50.9134,
41.2448

■ 68.8157, 61.8017,
56.1632

■ 77.6816, 74.7232,
73.9484

■ 88.0201, 89.7738,
94.7396

Harmonies

Analogous

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



49.0880, 21.6525, 15.0206



41.4801, 21.6525, 2.2803



28.8922, 21.6525, 0.0000

Triad

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



41.4801, 21.6525, 2.2803



6.5000, 21.6525, 8.1104



24.2216, 21.6525, 146.9335

Complementary

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



41.4801, 21.6525, 2.2803



52.0351, 75.0046, 106.3418

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.



14.0379, 21.6525, 136.9147



41.4801, 21.6525, 2.2803



6.0218, 21.6525, 34.8848

Square

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



41.4801, 21.6525, 2.2803



9.9026, 21.6525, 0.9434



8.2326, 21.6525, 86.2681



37.0393, 21.6525, 107.4429

Rectangle

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



41.4801, 21.6525, 2.2803



20.7910, 21.6525, 0.0000



8.2326, 21.6525, 86.2681



20.3706, 21.6525, 149.6961

Sweetspot

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



41.4806, 21.6539, 2.2806



66.4936, 58.4141, 51.5134



58.7476, 28.4367, 93.5898



13.5521, 11.5102, 9.6657



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.



41.4806, 21.6539, 2.2806



41.3083, 21.3967, 1.9528



50.1811, 39.0551, 5.1808



18.0453, 18.0588, 18.6789



21.6000, 11.2113, 1.0256



2.1152, 1.1158, 0.1039

Inverse Universe

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



52.0351, 75.0046, 106.3418



51.8340, 74.7881, 106.3113



25.9488, 22.8320, 97.6464



18.5141, 20.3999, 23.2117



27.1018, 39.1131, 55.5558



2.6505, 3.8317, 5.4132

Previews

White Background



This preview shows how the XYZ color 41.4801, 21.6525, 2.2803 looks on a white background.

Color Contrast Check

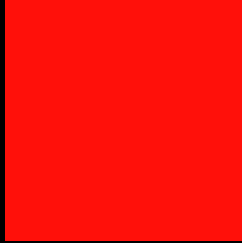
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.4801, 21.6525, 2.2803 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 41.4801, 21.6525, 2.2803

Background



This preview shows how black text looks on a background with the XYZ color 41.4801, 21.6525, 2.2803.



This preview shows how white text looks on a background with the XYZ color 41.4801, 21.6525,

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

41.4801, 21.6525, 2.2803

Protanopia

19.8307, 21.8416, 4.7608

Deuteranopia

22.1872, 21.9524, 3.0679



Tritanopia

41.1794, 21.6836, 2.0150

Trichromacy



Original Color

41.4801, 21.6525, 2.2803

Protanomaly

23.6838, 17.3683, 3.0814

Deuteranomaly

25.9572, 18.0852, 2.2376

Tritanomaly

41.1451, 21.5799, 2.1116

Monochromacy



Original Color

41.4801, 21.6525, 2.2803

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

14.6709, 9.9492, 5.2848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4801, 21.6525, 2.2803 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, 16, 10)` looks like.

```
.text, #text, p{  
    color:rgb(255, 16, 10)  
}
```

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, 16, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 16, 10) }
```

Border

The CSS property to change the border of an element to XYZ 41.4801, 21.6525, 2.2803 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, 16, 10) }
```


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

```
.border{ border-color:rgb(255, 16, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 16, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 16, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 16, 10);  
box-shadow:4px 4px 4px 4px rgb(255, 16,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4801, 21.6525, 2.2803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 16, 10) }
```

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

```
.background{ background-color: rgb(255, 16,  
10) }
```

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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