

Converting Colors

XYZ(41.4446, 21.5190, 2.4615)

Have a look what the booklet for
XYZ(41.4446, 21.5190, 2.4615)
contains.

XYZ(41.4421, 21.5145, 2.4587)	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(41.4421, 21.5145,
2.4587)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0A10
RGB	255, 10, 16
RGB Percent	100%, 4%, 6%
CMY	0.0000, 0.9605, 0.9372
CMYK	0.00, 0.96, 0.94, 0.00
HSL	359°, 100%, 52%
HSV	359°, 96%, 100%
XYZ	41.4421, 21.5145, 2.4587
YIQ	83.9390, 144.0940, 53.8060

Conversions

Conversions Part 2

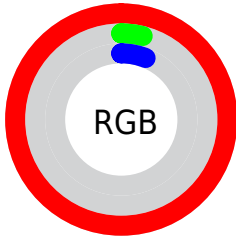
Format	Color
RYB	255, 10, 16
Decimal	16714256
CIELab	53.51, 79.54, 63.31
CIELCh	54, 101.661, 38.519
Yxy	21.5145, 0.6335, 0.3289
Android (android.graphics.Color)	4294904336 (0xFFFF0A10)
YUV	83.9390, -33.4939, 150.0205
Hunter-Lab	46.3837, 78.3115, 29.3258

Details

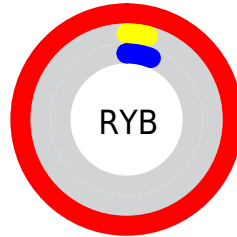
The XYZ color **41.4421, 21.5145, 2.4587** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **52.9954, 78.4283, 102.0238**, and the grayscale version is **8.4684, 8.9094, 9.7024**.

A 20% lighter version of the original color is **46.7452, 30.6010, 8.9117**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.2735, 21.2734, 2.1081**, and if you desaturate by 10%, it is **42.2559, 22.6551, 4.2330**.

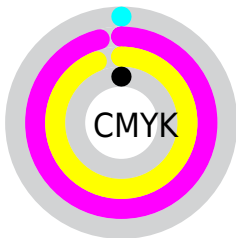
Distribution



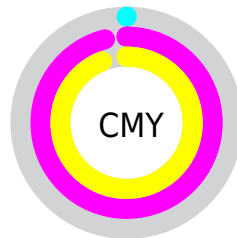
- Red (100%)
- Green (4%)
- Blue (6%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.4421, 21.5145, 2.4587 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 41.4421, 21.5145, 2.4587 by changing the saturation by 10% instead.


 41.4421, 21.5145,
2.4587


 41.4421, 21.5145,
2.4587

343.1961,
260.0003, 129.1359


 28.8539, 13.5006,
0.8181


 76.6250, 45.9422,
10.2607

 19.1140, 7.7742,
0.0000


 99.9505, 63.1249,
17.2664

 11.8572, 3.9508,
0.0000


 127.5857, 84.1326,
26.9001

 6.7180, 1.6461,
0.0000

 159.8961,
109.3497, 39.5802

 3.3311, 0.3884,
0.0000

 197.2469,
139.1606, 55.7253


 1.3312, 0.0000,
0.0000

 240.0037,


 0.2064, 0.0000,


173.9497, 75.7539


0.0000


 288.5316,
214.1015, 100.0846


 0.0000, 0.0000,
0.0000


 41.4421, 21.5145,
2.4587


 41.4421, 21.5145,
2.4587


 41.2735, 21.2734,
2.1081

 42.2559, 22.6551,
4.2330

 43.8887, 24.9955,
7.6297

 46.4865, 28.7562,
12.9187

 50.1669, 34.1139,
20.3210

 55.0309, 41.2195,
30.0270

■ 61.1680, 50.2067,
42.2059

■ 68.6589, 61.1961,
57.0111

■ 77.5777, 74.2981,
74.5835

■ 87.9933, 89.6153,
95.0541

Harmonies

Analogous

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



48.7165, 21.5145, 15.6579



41.4421, 21.5145, 2.4587



29.0582, 21.5145, 0.0000

Triad

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



41.4421, 21.5145, 2.4587



6.5511, 21.5145, 7.6739



23.6900, 21.5145, 145.6783

Complementary

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



41.4421, 21.5145, 2.4587



52.9954, 78.4283, 102.0238

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.



13.7340, 21.5145, 134.2129



41.4421, 21.5145, 2.4587



5.9980, 21.5145, 33.4127

Square

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



41.4421, 21.5145, 2.4587



10.0317, 21.5145, 0.8889



8.1034, 21.5145, 83.6204



36.3449, 21.5145, 107.8768

Rectangle

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



41.4421, 21.5145, 2.4587



20.9918, 21.5145, 0.0000



8.1034, 21.5145, 83.6204



19.9154, 21.5145, 147.8457

Sweetspot

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



41.4425, 21.5159, 2.4590



66.3047, 57.7403, 52.3631



56.4588, 27.1827, 96.8781



13.5092, 11.3573, 9.8585



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.



41.4425, 21.5159, 2.4590



41.2738, 21.2735, 2.1081



48.5491, 35.7904, 4.6386



18.0272, 17.9942, 18.7605



21.5742, 11.1190, 1.1421



2.1066, 1.0850, 0.1427

Inverse Universe

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



41.4425, 21.5159, 2.4590



41.2738, 21.2735, 2.1081



27.6565, 26.2462, 98.2154



18.0272, 17.9942, 18.7605



21.5742, 11.1190, 1.1421



2.1066, 1.0850, 0.1427

Previews

White Background



This preview shows how the XYZ color 41.4421, 21.5145, 2.4587 looks on a white background.

Color Contrast Check

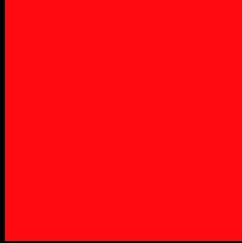
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.4421, 21.5145, 2.4587 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 41.4421, 21.5145, 2.4587

Background



This preview shows how black text looks on a background with the XYZ color 41.4421, 21.5145, 2.4587.



This preview shows how white text looks on a background with the XYZ color 41.4421, 21.5145,

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

41.4421, 21.5145, 2.4587

Protanopia

19.7181, 21.7763, 5.0834

Deuteranopia

21.8598, 21.6004, 3.0172



Tritanopia

40.8144, 21.4954, 1.9979

Trichromacy



Original Color

41.4421, 21.5145, 2.4587

Protanomaly

23.3423, 16.9449, 3.3367

Deuteranomaly

25.7403, 17.6338, 2.2193

Tritanomaly

41.1222, 21.5166, 2.1580

Monochromacy



Original Color

41.4421, 21.5145, 2.4587

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

14.1066, 9.3530, 5.1995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4421, 21.5145, 2.4587 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, 10, 16)` looks like.

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

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, 10, 16) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 41.4421, 21.5145, 2.4587 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, 10, 16) }
```


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

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

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

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

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

Background

The CSS property to change the background color of an element to XYZ 41.4421, 21.5145, 2.4587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor