

Converting Colors

XYZ(41.7333, 21.9376, 3.0472)

Have a look what the booklet for
XYZ(41.7333, 21.9376, 3.0472)
contains.

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Color

**XYZ(41.7442, 21.9519,
3.0739)**

Conversions

Conversions Part 1

Format	Color
Hex	FF171B
RGB	255, 23, 27
RGB Percent	100%, 9%, 11%
CMY	0.0000, 0.9097, 0.8941
CMYK	0.00, 0.91, 0.89, 0.00
HSL	359°, 100%, 55%
HSV	359°, 91%, 100%
XYZ	41.7442, 21.9519, 3.0739
YIQ	92.8240, 136.9880, 50.4280

Conversions

Conversions Part 2

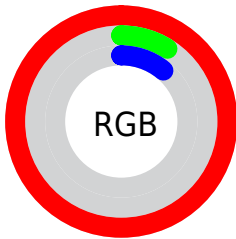
Format	Color
R_{YB}	255, 23, 27
Decimal	16717595
CIE _{Lab}	53.98, 78.44, 59.75
CIE _{LCh}	54, 98.607, 37.296
Yxy	21.9519, 0.6252, 0.3288
Android (android.graphics.Color)	4294907675 (0xFFFF171B)
YUV	92.8240, -32.4512, 142.2284
Hunter-Lab	46.8529, 77.0446, 28.9071

Details

The XYZ color **41.7442, 21.9519, 3.0739** 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 **53.5324, 78.6694, 103.6607**, and the grayscale version is **10.4190, 10.9616, 11.9372**.

A 20% lighter version of the original color is **47.2959, 31.2845, 10.3832**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.2635, 21.2694, 2.0556**, and if you desaturate by 10%, it is **42.9401, 23.6666, 5.5615**.

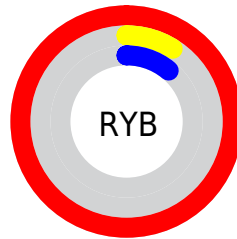
Distribution



Red (100%)

Green (9%)

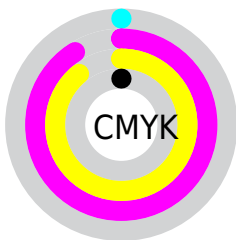
Blue (11%)



Red (100%)

Yellow (9%)

Blue (11%)

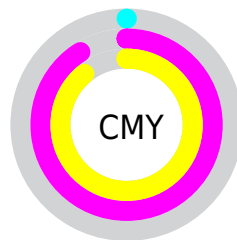


Cyan (0%)

Magenta (91%)

Yellow (89%)

Black (0%)



Cyan (0%)


Magenta (91%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7442, 21.9519, 3.0739 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 41.7442, 21.9519, 3.0739 by changing the saturation by 10% instead.


 41.7442, 21.9519,
3.0739


 41.7442, 21.9519,
3.0739


344.4311,
262.2950, 137.2963


 29.0913, 13.8216,
1.1325


 77.0799, 46.6665,
11.8103

 19.2945, 7.9967,
0.0000


 100.4935, 64.0195,
19.4423


 11.9885, 4.0928,
0.0000


 128.2246, 85.2156,
29.8083

 6.8080, 1.7256,
0.0000

 160.6386,
110.6390, 43.3267

 3.3876, 0.4402,
0.0000

 198.1009,
140.6743, 60.4162


 1.3619, 0.0000,
0.0000

 240.9769,


 0.2288, 0.0000,


175.7058, 81.4953


0.0000


 289.6318,
216.1179, 106.9825


 0.0000, 0.0000,
0.0000


 41.7442, 21.9519,
3.0739


 41.7442, 21.9519,
3.0739


 41.2635, 21.2694,
2.0556

 42.9401, 23.6666,
5.5615

 45.0352, 26.7002,
9.8253

 48.1606, 31.2491,
16.1142

 52.4258, 37.4759,
24.6375

 57.9261, 45.5224,
35.5782

■ 64.7470, 55.5154,
49.1006

■ 72.9663, 67.5703,
65.3545

■ 82.6557, 81.7935,
84.4782

■ 93.8821, 98.2843,
106.6010

Harmonies

Analogous

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



48.4559, 21.9519, 17.2047



41.7442, 21.9519, 3.0739



29.8013, 21.9519, 0.1465

Triad

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



41.7442, 21.9519, 3.0739



7.1079, 21.9519, 7.6673



23.5729, 21.9519, 141.8944

Complementary

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



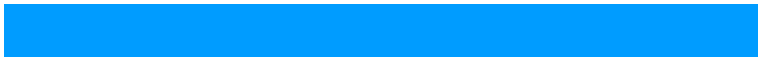
41.7442, 21.9519, 3.0739



53.5324, 78.6694, 103.6607

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.



13.9212, 21.9519, 128.9749



41.7442, 21.9519, 3.0739



6.4375, 21.9519, 32.1443

Square

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



41.7442, 21.9519, 3.0739



10.7592, 21.9519, 1.0232



8.4524, 21.9519, 79.9032



35.8827, 21.9519, 107.4052

Rectangle

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



41.7442, 21.9519, 3.0739



21.8448, 21.9519, 0.0000



8.4524, 21.9519, 79.9032



19.9142, 21.9519, 143.2406

Sweetspot

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



41.7447, 21.9533, 3.0742



67.8351, 60.0429, 55.2110



56.8090, 27.6570, 96.9511



13.9476, 12.0131, 10.6857



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.



41.7447, 21.9533, 3.0742



41.2639, 21.2695, 2.0557



49.5496, 37.6317, 5.4648



18.0220, 17.9921, 18.7329



21.5667, 11.1160, 1.1027



2.1041, 1.0840, 0.1296

Inverse Universe

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



41.7447, 21.9533, 3.0742



41.2639, 21.2695, 2.0557



28.7991, 28.1927, 98.5308



18.0220, 17.9921, 18.7329



21.5667, 11.1160, 1.1027



2.1041, 1.0840, 0.1296

Previews

White Background



This preview shows how the XYZ color 41.7442, 21.9519, 3.0739 looks on a white background.

Color Contrast Check

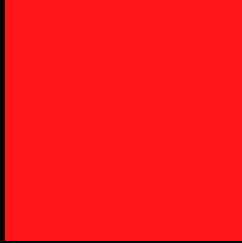
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.7442, 21.9519, 3.0739 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 41.7442, 21.9519, 3.0739

Background



This preview shows how black text looks on a background with the XYZ color 41.7442, 21.9519, 3.0739.



This preview shows how white text looks on a background with the XYZ color 41.7442, 21.9519,

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

41.7442, 21.9519, 3.0739

Protanopia

20.2141, 22.2068, 6.1267

Deuteranopia

22.3928, 22.0584, 3.0775



Tritanopia

41.6603, 21.9843, 2.4284

Trichromacy



Original Color

41.7442, 21.9519, 3.0739

Protanomaly

24.1489, 17.9566, 4.2910

Deuteranomaly

26.4889, 18.7086, 2.5022

Tritanomaly

41.6758, 21.9569, 2.6138

Monochromacy



Original Color

41.7442, 21.9519, 3.0739

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

16.0902, 11.2393, 6.9516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7442, 21.9519, 3.0739 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, 23, 27)` looks like.

```
.text, #text, p{  
  color:rgb(255, 23, 27)  
}
```

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, 23, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 23, 27) }
```

Border

The CSS property to change the border of an element to XYZ 41.7442, 21.9519, 3.0739 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, 23, 27) }
```


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

```
.border{ border-color:rgb(255, 23, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 23, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 23, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 23,  
box-shadow:4px 4px 4px 4px rgb(255, 23,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7442, 21.9519, 3.0739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 23, 27) }
```

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

```
.background{ background-color: rgb(255, 23,  
27) }
```

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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