

Converting Colors

XYZ(42.1436, 21.5790, 9.8470)

Have a look what the booklet for
XYZ(42.1436, 21.5790, 9.8470)
contains.

XYZ(42.0527, 21.5353, 9.9229)	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(42.0527, 21.5353,
9.9229)**

Conversions

Conversions Part 1

Format	Color
Hex	FD0252
RGB	253, 2, 82
RGB Percent	99%, 1%, 32%
CMY	0.0078, 0.9919, 0.6784
CMYK	0.00, 0.99, 0.68, 0.01
HSL	341°, 98%, 50%
HSV	341°, 99%, 99%
XYZ	42.0527, 21.5353, 9.9229
YIQ	86.1690, 123.9160, 78.0920

Conversions

Conversions Part 2

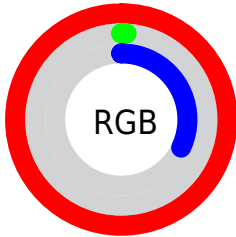
Format	Color
R_{YB}	253, 2, 82
Decimal	16581202
CIE Lab	53.53, 81.30, 29.88
CIE LCh	54, 86.613, 20.179
Yxy	21.5353, 0.5721, 0.2930
Android (android.graphics.Color)	4294771282 (0xFFFD0252)
YUV	86.1690, -2.0553, 146.3108
Hunter-Lab	46.4061, 80.5439, 19.8065

Details

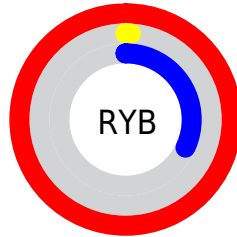
The XYZ color **42.0527, 21.5353, 9.9229** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **42.7005, 73.2833, 51.4652**, and the grayscale version is **8.8753, 9.3375, 10.1686**.

A 20% lighter version of the original color is **49.7044, 31.6341, 24.9590**, and **21.0889, 10.8313, 2.8129** is the 20% darker color. If you saturate the color by 10%, you get **41.9776, 21.4704, 9.6357**, and if you desaturate by 10%, it is **43.1719, 22.5889, 13.9496**.

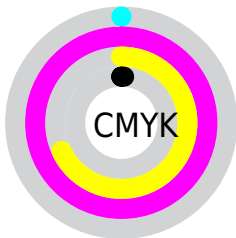
Distribution



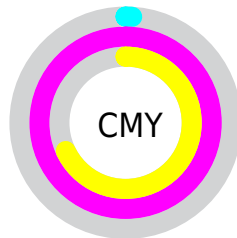
- Red (99%)
- Green (1%)
- Blue (32%)



- Red (99%)
- Yellow (1%)
- Blue (32%)



- Cyan (0%)
- Magenta (99%)
- Yellow (68%)
- Black (1%)





- Cyan (1%)
- Magenta (99%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0527, 21.5353, 9.9229 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 42.0527, 21.5353, 9.9229 by changing the saturation by 10% instead.


 42.0527, 21.5353,
9.9229


 42.0527, 21.5353,
9.9229


345.6893,
260.1098, 200.5857


 29.3338, 13.5158,
5.2429


 77.5440, 45.9767,
26.2559


 19.4791, 7.7847,
2.3293


 101.0472, 63.1675,
38.7461

 12.1230, 3.9575,
0.7475


 128.8759, 84.1842,
54.6767

 6.9003, 1.6498,
0.0000

 161.3955,
109.4111, 74.4663

 3.4456, 0.3908,
0.0000

 198.9712,
139.2328, 98.5335

 1.3936, 0.0000,
0.0000

 241.9685,

 0.2516, 0.0000,

174.0335, 127.2967

0.0000

290.7528,
214.1977, 161.1746

■ 0.0000, 0.0000,
0.0000

■ 42.0527, 21.5353,
9.9229

■ 42.0527, 21.5353,
9.9229

■ 41.9776, 21.4704,
9.6357

■ 43.1719, 22.5889,
13.9496

■ 44.9464, 24.6710,
19.0635

■ 47.5138, 28.0406,
25.3613

■ 50.9679, 32.8701,
32.9212

■ 55.3885, 39.3049,
41.8134

60.8461, 47.4726,
52.1025

67.4042, 57.4879,
63.8484

75.1213, 69.4556,
77.1073

84.0514, 83.4726,
91.9324

Harmonies

Analogous

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



43.4070, 21.5353, 33.2299



42.0527, 21.5353, 9.9229



34.0664, 21.5353, 2.0675

Triad

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



42.0527, 21.5353, 9.9229



9.6402, 21.5353, 3.6375



17.5883, 21.5353, 117.6399

Complementary

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



42.0527, 21.5353, 9.9229



42.7005, 73.2833, 51.4652

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.



11.0776, 21.5353, 88.1514



42.0527, 21.5353, 9.9229



7.4892, 21.5353, 15.8035

Square

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



42.0527, 21.5353, 9.9229



14.9371, 21.5353, 0.7688



7.9215, 21.5353, 45.7124



27.2208, 21.5353, 110.8169

Rectangle

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



42.0527, 21.5353, 9.9229



27.0952, 21.5353, 0.7559



7.9215, 21.5353, 45.7124



15.0215, 21.5353, 111.1226

Sweetspot

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



42.0532, 21.5367, 9.9232



68.0238, 57.6056, 63.9511



34.1907, 15.6112, 94.1391



13.9358, 11.3735, 12.5805



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.



42.0532, 21.5367, 9.9232



42.7337, 21.8575, 9.7957



41.4157, 22.6804, 2.2544



18.2478, 18.0824, 19.9219



22.3889, 11.4449, 5.4326



2.2271, 1.1332, 0.7776

Inverse Universe

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



42.0532, 21.5367, 9.9232



42.7337, 21.8575, 9.7957



41.0939, 53.7821, 101.1430



18.2478, 18.0824, 19.9219



22.3889, 11.4449, 5.4326



2.2271, 1.1332, 0.7776

Previews

White Background



This preview shows how the XYZ color 42.0527, 21.5353, 9.9229 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 42.0527, 21.5353, 9.9229 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 42.0527, 21.5353, 9.9229

Background



This preview shows how black text looks on a background with the XYZ color 42.0527, 21.5353, 9.9229.



This preview shows how white text looks on a background with the XYZ color 42.0527, 21.5353,

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

42.0527, 21.5353, 9.9229

Protanopia

20.9743, 22.0675, 21.2432

Deuteranopia

22.2890, 21.8772, 8.8423



Tritanopia

40.8983, 21.8670, 3.1638

Trichromacy



Original Color

42.0527, 21.5353, 9.9229



Protanomaly

23.8786, 16.5952, 15.8546



Deuteranomaly

26.0243, 17.4238, 8.4701



Tritanomaly

40.9653, 21.4827, 4.7838

Monochromacy



Original Color

42.0527, 21.5353, 9.9229



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

15.0385, 9.5913, 9.6530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0527, 21.5353, 9.9229 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, 2, 82)` looks like.

```
.text, #text, p{  
  color:rgb(253, 2, 82)  
}
```

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, 2, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 2, 82) }
```

Border

The CSS property to change the border of an element to XYZ 42.0527, 21.5353, 9.9229 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, 2, 82) }
```


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

```
.border{ border-color:rgb(253, 2, 82) }
```

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

Here you see how a box with a 4 pixel rgb(253, 2, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 2, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 2, 82);  
box-shadow:4px 4px 4px 4px rgb(253, 2, 82)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.0527, 21.5353, 9.9229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 2, 82) }
```

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

```
.background{ background-color: rgb(253, 2,  
82) }
```

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