

Converting Colors

XYZ(42.6017, 21.8047, 9.1004)

Have a look what the booklet for
XYZ(42.6017, 21.8047, 9.1004)
contains.

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Color

**XYZ(42.6151, 21.8101,
9.1714)**

Conversions

Conversions Part 1

Format	Color
Hex	FF004E
RGB	255, 0, 78
RGB Percent	100%, 0%, 31%
CMY	0.0000, 0.9997, 0.6941
CMYK	0.00, 1.00, 0.69, 0.00
HSL	342°, 100%, 50%
HSV	342°, 100%, 100%
XYZ	42.6151, 21.8101, 9.1714
YIQ	85.1370, 126.9420, 78.3180

Conversions

Conversions Part 2

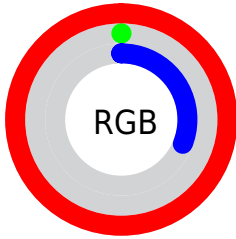
Format	Color
R_{YB}	255, 0, 78
Decimal	16711758
CIE _{Lab}	53.82, 81.72, 32.72
CIE _{LCh}	54, 88.025, 21.819
Yxy	21.8101, 0.5790, 0.2963
Android (android.graphics.Color)	4294901838 (0xFFFF004E)
YUV	85.1370, -3.5185, 148.9699
Hunter-Lab	46.7013, 81.1547, 21.0473

Details

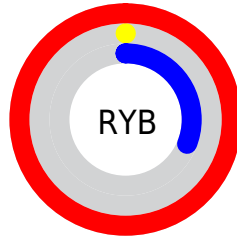
The XYZ color **42.6151, 21.8101, 9.1714** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **43.7036, 74.6971, 53.7473**, and the grayscale version is **8.6603, 9.1113, 9.9222**.

A 20% lighter version of the original color is **49.4384, 31.5277, 23.5584**, and **21.2896, 10.9402, 2.5797** is the 20% darker color. If you saturate the color by 10%, you get **42.6130, 21.8091, 9.1618**, and if you desaturate by 10%, it is **43.6974, 22.8190, 13.0967**.

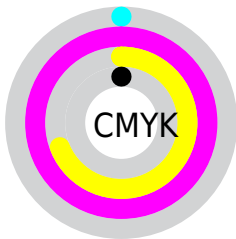
Distribution



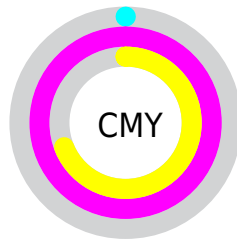
- Red (100%)
- Green (0%)
- Blue (31%)



- Red (100%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (69%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6151, 21.8101, 9.1714 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 42.6151, 21.8101, 9.1714 by changing the saturation by 10% instead.


 42.6151, 21.8101,
9.1714


 42.6151, 21.8101,
9.1714


347.9749,
261.5530, 194.9163


 29.7764, 13.7174,
4.7548


 78.3890, 46.4319,
24.8078


 19.8162, 7.9244,
2.0479


 102.0551, 63.7299,
36.8648

 12.3690, 4.0466,
0.5845


 130.0609, 84.8651,
52.3056

 7.0695, 1.6997,
0.0000

 162.7719,
110.2218, 71.5487

 3.5523, 0.4234,
0.0000

 200.5534,
140.1846, 95.0129

 1.4521, 0.0000,
0.0000

 243.7709,

 0.2929, 0.0000,

175.1378, 123.1165

0.0000

292.7896,
215.4658, 156.2781

■ 0.0000, 0.0000,
0.0000

■ 42.6151, 21.8101,
9.1714

■ 42.6151, 21.8101,
9.1714

■ 42.6130, 21.8091,
9.1618

■ 43.6974, 22.8190,
13.0967

■ 45.4305, 24.8354,
18.1434

■ 47.9683, 28.1498,
24.4189

■ 51.4087, 32.9411,
32.0073

■ 55.8344, 39.3595,
40.9838

■ 61.3187, 47.5365,
51.4176

■ 67.9272, 57.5902,
63.3727

■ 75.7204, 69.6283,
76.9092

■ 84.7542, 83.7504,
92.0837

Harmonies

Analogous

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



44.4482, 21.8101, 31.9578



42.6151, 21.8101, 9.1714



34.1281, 21.8101, 1.8262

Triad

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



42.6151, 21.8101, 9.1714



9.4675, 21.8101, 3.9086



18.2479, 21.8101, 121.6268

Complementary

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



42.6151, 21.8101, 9.1714



43.7036, 74.6971, 53.7473

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.



11.3968, 21.8101, 92.7371



42.6151, 21.8101, 9.1714



7.4353, 21.8101, 17.0796

Square

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



42.6151, 21.8101, 9.1714



14.6778, 21.8101, 0.7748



8.0141, 21.8101, 48.8468



28.2517, 21.8101, 112.3597

Rectangle

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



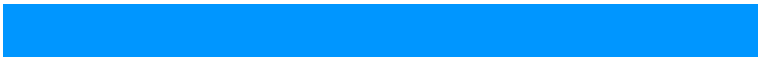
42.6151, 21.8101, 9.1714



26.9386, 21.8101, 0.6412



8.0141, 21.8101, 48.8468



15.5569, 21.8101, 115.5781

Sweetspot

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



42.6156, 21.8115, 9.1717



67.9071, 57.5589, 63.3365



35.5670, 16.2515, 95.8692



13.9086, 11.3627, 12.4376



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.



42.6156, 21.8115, 9.1717



42.6133, 21.8093, 9.1619



42.2490, 23.2778, 2.2684



18.2380, 18.0785, 19.8702



22.3243, 11.4190, 5.0924



2.2199, 1.1303, 0.7393

Inverse Universe

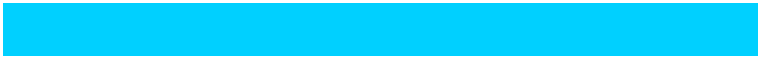
The Inverse Universe completely reimagines the original color for something new.



42.6156, 21.8115, 9.1717



42.6133, 21.8093, 9.1619



40.6707, 52.4604, 102.5892



18.2380, 18.0785, 19.8702



22.3243, 11.4190, 5.0924



2.2199, 1.1303, 0.7393

Previews

White Background



This preview shows how the XYZ color 42.6151, 21.8101, 9.1714 looks on a white background.

Color Contrast Check

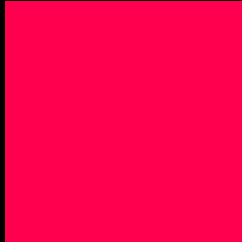
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.6151, 21.8101, 9.1714 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 42.6151, 21.8101, 9.1714

Background



This preview shows how black text looks on a background with the XYZ color 42.6151, 21.8101, 9.1714.

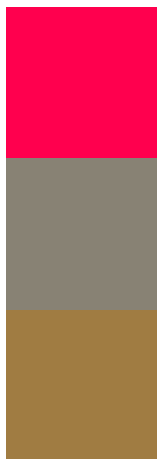


This preview shows how white text looks on a background with the XYZ color 42.6151, 21.8101,

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

42.6151, 21.8101, 9.1714

Protanopia

21.2884, 22.4605, 19.7363

Deuteranopia

22.6882, 22.2822, 8.2594



Tritanopia

41.5760, 22.1784, 3.0668

Trichromacy



Original Color

42.6151, 21.8101, 9.1714



Protanomaly

24.0819, 16.7295, 14.5302



Deuteranomaly

26.4072, 17.6363, 7.8067



Tritanomaly

41.5969, 21.7606, 4.4904

Monochromacy



Original Color

42.6151, 21.8101, 9.1714



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

14.8748, 9.4506, 9.0228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6151, 21.8101, 9.1714 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, 78)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 78)  
}
```

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, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 78) }
```

Border

The CSS property to change the border of an element to XYZ 42.6151, 21.8101, 9.1714 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, 78) }
```


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

```
.border{ border-color:rgb(255, 0, 78) }
```

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, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 78);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 78)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.6151, 21.8101, 9.1714 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, 78) }
```

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

```
.background{ background-color: rgb(255, 0,  
78) }
```

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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