

Converting Colors

XYZ(41.9595, 21.8124, 4.9032)

Have a look what the booklet for
XYZ(41.9595, 21.8124, 4.9032)
contains.

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Color

**XYZ(41.9652, 21.8234,
4.9063)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0F31
RGB	255, 15, 49
RGB Percent	100%, 6%, 19%
CMY	0.0000, 0.9410, 0.8078
CMYK	0.00, 0.94, 0.81, 0.00
HSL	352°, 100%, 53%
HSV	352°, 94%, 100%
XYZ	41.9652, 21.8234, 4.9063
YIQ	90.6360, 132.1260, 61.4540

Conversions

Conversions Part 2

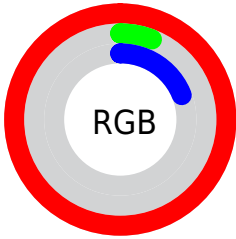
Format	Color
R_{YB}	255, 15, 49
Decimal	16715569
CIE _{Lab}	53.84, 79.70, 49.24
CIE _{LCh}	54, 93.687, 31.709
Yxy	21.8234, 0.6109, 0.3177
Android (android.graphics.Color)	4294905649 (0xFFFF0F31)
YUV	90.6360, -20.5265, 144.1472
Hunter-Lab	46.7155, 78.5969, 26.4739

Details

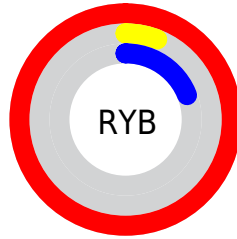
The XYZ color **41.9652, 21.8234, 4.9063** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **49.0158, 76.8447, 80.6928**, and the grayscale version is **9.8921, 10.4073, 11.3335**.

A 20% lighter version of the original color is **47.9085, 31.2189, 14.5671**, and **20.7664, 10.7023, 1.1148** is the 20% darker color. If you saturate the color by 10%, you get **41.5593, 21.3877, 3.6130**, and if you desaturate by 10%, it is **43.1512, 23.2686, 8.1603**.

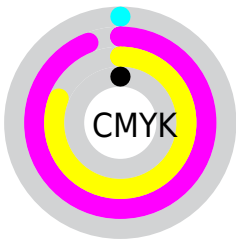
Distribution



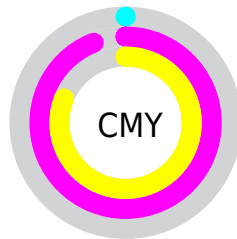
- Red (100%)
- Green (6%)
- Blue (19%)



- Red (100%)
- Yellow (6%)
- Blue (19%)



- Cyan (0%)
- Magenta (94%)
- Yellow (81%)
- Black (0%)





- Cyan (0%)
- Magenta (94%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9652, 21.8234, 4.9063 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 41.9652, 21.8234, 4.9063 by changing the saturation by 10% instead.


 41.9652, 21.8234,
4.9063


 41.9652, 21.8234,
4.9063


345.3327,
261.6226, 157.8214


 29.2650, 13.7272,
2.1346


 77.4124, 46.4539,
16.0512


 19.4267, 7.9312,
0.6363


 100.8902, 63.7571,
25.2615

 12.0848, 4.0509,
0.0000


 128.6913, 84.8980,
37.4551

 6.8741, 1.7021,
0.0000

 161.1809,
110.2610, 53.0506

 3.4291, 0.4250,
0.0000

 198.7246,
140.2306, 72.4663

 1.3845, 0.0000,
0.0000

 241.6875,

 0.2452, 0.0000,

175.1911, 96.1211

0.0000

290.4351,
215.5270, 124.4332

■ 0.0000, 0.0000,
0.0000

■ 41.9652, 21.8234,
4.9063

■ 41.9652, 21.8234,
4.9063

■ 41.5593, 21.3877,
3.6130

■ 43.1512, 23.2686,
8.1603

■ 45.1574, 25.9492,
12.9348

■ 48.1043, 30.0676,
19.3909

■ 52.0919, 35.7889,
27.6680

■ 57.2068, 43.2558,
37.8909

■ 63.5267, 52.5949,
50.1734

■ 71.1223, 63.9212,
64.6201

■ 80.0588, 77.3405,
81.3288

■ 90.3967, 92.9509,
100.3912

Harmonies

Analogous

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



46.7467, 21.8234, 22.1458



41.9652, 21.8234, 4.9063



31.3416, 21.8234, 0.7222

Triad

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



41.9652, 21.8234, 4.9063



7.9357, 21.8234, 5.9769



21.3255, 21.8234, 133.4942

Complementary

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



41.9652, 21.8234, 4.9063



49.0158, 76.8447, 80.6928

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.



12.8511, 21.8234, 113.7031



41.9652, 21.8234, 4.9063



6.7821, 21.8234, 25.4550

Square

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



41.9652, 21.8234, 4.9063



12.1376, 21.8234, 0.9175



8.2441, 21.8234, 66.4614



32.6776, 21.8234, 109.0699

Rectangle

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



41.9652, 21.8234, 4.9063



23.6623, 21.8234, 0.0083



8.2441, 21.8234, 66.4614



18.0733, 21.8234, 131.7480

Sweetspot

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



41.9657, 21.8248, 4.9066



68.0016, 59.2567, 58.7168



47.4371, 22.6244, 96.4737



13.8666, 11.6575, 11.2554



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.



41.9657, 21.8248, 4.9066



41.5596, 21.3878, 3.6130



45.7915, 30.2249, 3.8745



18.1140, 18.0289, 19.2176



21.7473, 11.1882, 2.0537



2.1475, 1.1014, 0.3584

Inverse Universe

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



41.9657, 21.8248, 4.9066



41.5596, 21.3878, 3.6130



32.8142, 36.4548, 99.9140



18.1140, 18.0289, 19.2176



21.7473, 11.1882, 2.0537



2.1475, 1.1014, 0.3584

Previews

White Background



This preview shows how the XYZ color 41.9652, 21.8234, 4.9063 looks on a white background.

Color Contrast Check

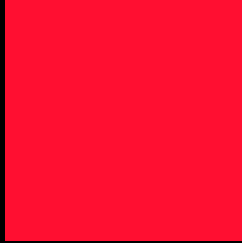
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.9652, 21.8234, 4.9063 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 41.9652, 21.8234, 4.9063

Background



This preview shows how black text looks on a background with the XYZ color 41.9652, 21.8234, 4.9063.



This preview shows how white text looks on a background with the XYZ color 41.9652, 21.8234,

4.9063.

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

41.9652, 21.8234, 4.9063

Protanopia

20.4425, 22.2378, 10.0524

Deuteranopia

22.4090, 22.0412, 4.2357



Tritanopia

41.6603, 21.9843, 2.4284

Trichromacy



Original Color

41.9652, 21.8234, 4.9063

Protanomaly

24.0015, 17.4401, 7.2555

Deuteranomaly

26.2537, 18.2038, 3.7990

Tritanomaly

41.6946, 21.8709, 3.0012

Monochromacy



Original Color

41.9652, 21.8234, 4.9063

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

15.8445, 10.6561, 8.0592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9652, 21.8234, 4.9063 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, 15, 49)` looks like.

```
.text, #text, p{  
    color:rgb(255, 15, 49)  
}
```

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, 15, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 15, 49) }
```

Border

The CSS property to change the border of an element to XYZ 41.9652, 21.8234, 4.9063 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, 15, 49) }
```


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

```
.border{ border-color:rgb(255, 15, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 15, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 15, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 15, 49);  
box-shadow:4px 4px 4px 4px rgb(255, 15,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9652, 21.8234, 4.9063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 15, 49) }
```

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

```
.background{ background-color: rgb(255, 15,  
49) }
```

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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