

Converting Colors

XYZ(41.6283, 21.8287, 2.7015)

Have a look what the booklet for
XYZ(41.6283, 21.8287, 2.7015)
contains.

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Color

**XYZ(41.6344, 21.8468,
2.6843)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1514
RGB	255, 21, 20
RGB Percent	100%, 8%, 8%
CMY	0.0000, 0.9175, 0.9216
CMYK	0.00, 0.92, 0.92, 0.00
HSL	0°, 100%, 54%
HSV	0°, 92%, 100%
XYZ	41.6344, 21.8468, 2.6843
YIQ	90.8520, 139.7850, 49.2970

Conversions

Conversions Part 2

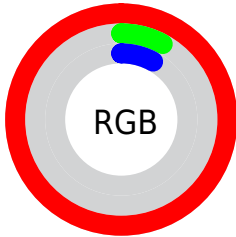
Format	Color
RYB	255, 21, 20
Decimal	16717076
CIELab	53.86, 78.59, 62.25
CIELCh	54, 100.256, 38.380
Yxy	21.8468, 0.6292, 0.3302
Android (android.graphics.Color)	4294907156 (0xFFFF1514)
YUV	90.8520, -34.9300, 143.9578
Hunter-Lab	46.7406, 77.2038, 29.3134

Details

The XYZ color **41.6344, 21.8468, 2.6843** 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 **53.7669, 78.2258, 106.8722**, and the grayscale version is **9.9698, 10.4890, 11.4226**.

A 20% lighter version of the original color is **47.0310, 31.0223, 9.4703**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.2519, 21.2843, 1.9341**, and if you desaturate by 10%, it is **42.7168, 23.4408, 4.8066**.

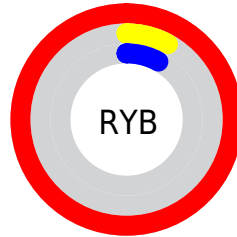
Distribution



Red (100%)

Green (8%)

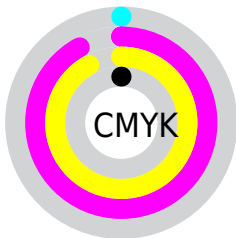
Blue (8%)



Red (100%)

Yellow (8%)

Blue (8%)

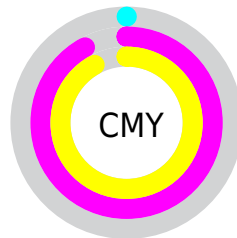


Cyan (0%)

Magenta (92%)

Yellow (92%)

Black (0%)



Cyan (0%)


Magenta (92%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6344, 21.8468, 2.6843 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 41.6344, 21.8468, 2.6843 by changing the saturation by 10% instead.


 41.6344, 21.8468,
2.6843


 41.6344, 21.8468,
2.6843


343.9826,
261.7452, 132.2322


 29.0050, 13.7444,
0.9355


 76.9146, 46.4927,
10.8390

 19.2289, 7.9431,
0.0000


 100.2962, 63.8049,
18.0822


 11.9408, 4.0586,
0.0000


 127.9925, 84.9558,
27.9941

 6.7753, 1.7064,
0.0000

 160.3689,
110.3299, 40.9931

 3.3670, 0.4278,
0.0000

 197.7907,
140.3115, 57.4980


 1.3507, 0.0000,
0.0000

 240.6234,


 0.2207, 0.0000,


175.2849, 77.9271


0.0000


 289.2322,
215.6347, 102.6990


 0.0000, 0.0000,
0.0000


 41.6344, 21.8468,
2.6843


 41.6344, 21.8468,
2.6843


 41.2519, 21.2843,
1.9341

 42.7168, 23.4408,
4.8066

 44.6825, 26.3257,
8.6877

 47.6676, 30.7005,
14.6010

 51.7847, 36.7293,
22.7727

 57.1317, 44.5547,
33.3989

63.7959, 54.3038,
46.6547

71.8566, 66.0924,
62.6990

81.3869, 80.0270,
81.6784

92.4547, 96.2067,
103.7290

Harmonies

Analogous

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



48.7824, 21.8468, 16.1386



41.6344, 21.8468, 2.6843



29.3816, 21.8468, 0.0000

Triad

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



41.6344, 21.8468, 2.6843



6.8362, 21.8468, 7.9284



23.9363, 21.8468, 144.2148

Complementary

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



41.6344, 21.8468, 2.6843



53.7669, 78.2258, 106.8722

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.



14.0224, 21.8468, 132.7484



41.6344, 21.8468, 2.6843



6.2629, 21.8468, 33.5364

Square

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



41.6344, 21.8468, 2.6843



10.3665, 21.8468, 0.9986



8.3809, 21.8468, 83.0042



36.4863, 21.8468, 107.3336

Rectangle

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



41.6344, 21.8468, 2.6843



21.3565, 21.8468, 0.0000



8.3809, 21.8468, 83.0042



20.1840, 21.8468, 146.2540

Sweetspot

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



41.6349, 21.8482, 2.6846



66.9729, 58.9501, 52.9765



59.5397, 28.9801, 97.0626



13.6301, 11.5868, 9.9364



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.



41.6349, 21.8482, 2.6846



41.2523, 21.2845, 1.9341



50.3828, 39.3442, 5.6006



18.0159, 17.9999, 18.6691



21.5580, 11.1272, 1.0115



2.1012, 1.0878, 0.0992

Inverse Universe

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



53.7669, 78.2258, 106.8722



53.4508, 78.0215, 106.8503



27.3553, 25.4025, 98.0683



18.5476, 20.4669, 23.2229



27.9324, 40.7743, 55.8326



2.7218, 3.9744, 5.4369

Previews

White Background



This preview shows how the XYZ color 41.6344, 21.8468, 2.6843 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 41.6344, 21.8468, 2.6843 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 41.6344, 21.8468, 2.6843

Background



This preview shows how black text looks on a background with the XYZ color 41.6344, 21.8468, 2.6843.



This preview shows how white text looks on a background with the XYZ color 41.6344, 21.8468,

2.6843.

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

41.6344, 21.8468, 2.6843

Protanopia

20.0776, 22.1522, 5.4081

Deuteranopia

22.1872, 21.9524, 3.0679



Tritanopia

41.5269, 21.8338, 2.0256

Trichromacy



Original Color

41.6344, 21.8468, 2.6843

Protanomaly

23.9525, 17.7421, 3.6755

Deuteranomaly

26.1311, 18.4067, 2.3766

Tritanomaly

41.5653, 21.8492, 2.2276

Monochromacy



Original Color

41.6344, 21.8468, 2.6843

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

15.6648, 10.8574, 6.2711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6344, 21.8468, 2.6843 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, 21, 20)` looks like.

```
.text, #text, p{  
    color:rgb(255, 21, 20)  
}
```

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, 21, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 21, 20) }
```

Border

The CSS property to change the border of an element to XYZ 41.6344, 21.8468, 2.6843 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, 21, 20) }
```


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

```
.border{ border-color:rgb(255, 21, 20) }
```

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

Here you see how a box with a 4 pixel rgb(255, 21, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 21, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 21, 20);  
box-shadow:4px 4px 4px 4px rgb(255, 21,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6344, 21.8468, 2.6843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 21, 20) }
```

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

```
.background{ background-color: rgb(255, 21,  
20) }
```

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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