

Converting Colors

XYZ(41.6234, 21.6143, 3.3292)

Have a look what the booklet for
XYZ(41.6234, 21.6143, 3.3292)
contains.

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Color

**XYZ(41.6322, 21.6272,
3.3467)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0C20
RGB	255, 12, 32
RGB Percent	100%, 5%, 13%
CMY	0.0000, 0.9527, 0.8745
CMYK	0.00, 0.95, 0.87, 0.00
HSL	355°, 100%, 52%
HSV	355°, 95%, 100%
XYZ	41.6322, 21.6272, 3.3467
YIQ	86.9370, 138.4080, 57.7360

Conversions

Conversions Part 2

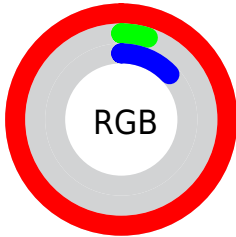
Format	Color
R_{YB}	255, 12, 32
Decimal	16714784
CIE Lab	53.63, 79.60, 57.40
CIE LCh	54, 98.136, 35.797
Yxy	21.6272, 0.6251, 0.3247
Android (android.graphics.Color)	4294904864 (0xFFFF0C20)
YUV	86.9370, -27.0839, 147.3913
Hunter-Lab	46.5051, 78.4127, 28.2868

Details

The XYZ color **41.6322, 21.6272, 3.3467** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark saturated red. A complement of this color would be **50.9164, 77.5998, 90.9378**, and the grayscale version is **9.0883, 9.5616, 10.4126**.

A 20% lighter version of the original color is **47.1498, 30.7629, 11.0422**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.3744, 21.3137, 2.6393**, and if you desaturate by 10%, it is **42.6183, 22.8980, 5.8394**.

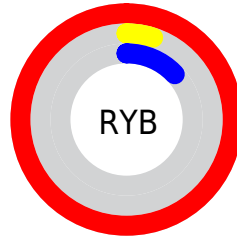
Distribution



Red (100%)

Green (5%)

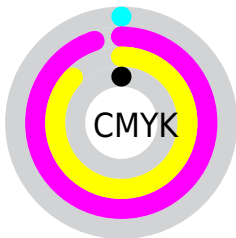
Blue (13%)



Red (100%)

Yellow (5%)

Blue (13%)

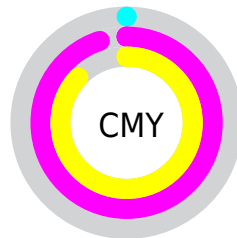


Cyan (0%)

Magenta (95%)

Yellow (87%)

Black (0%)



Cyan (0%)


Magenta (95%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6322, 21.6272, 3.3467 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 41.6322, 21.6272, 3.3467 by changing the saturation by 10% instead.

 41.6322, 21.6272,
3.3467


 41.6322, 21.6272,
3.3467


343.9736,
260.5932, 140.6608


 29.0033, 13.5832,
1.2743


 76.9113, 46.1291,
12.4726

 19.2276, 7.8314,
0.0406


 100.2922, 63.3557,
20.3631


 11.9398, 3.9872,
0.0000


 127.9878, 84.4121,
31.0301

 6.7746, 1.6664,
0.0000

 160.3635,
109.6826, 44.8921

 3.3666, 0.4018,
0.0000

 197.7845,
139.5515, 62.3676


 1.3505, 0.0000,
0.0000

 240.6163,


 0.2205, 0.0000,


174.4033, 83.8752


0.0000


 289.2242,
214.6224, 109.8334


 0.0000, 0.0000,
0.0000


 41.6322, 21.6272,
3.3467


 41.6322, 21.6272,
3.3467


 41.3744, 21.3137,
2.6393

 42.6183, 22.8980,
5.8394

 44.4252, 25.3835,
9.9199

 47.1850, 29.2956,
15.7958

 51.0060, 34.8052,
23.6431

 55.9815, 42.0592,
33.6165

■ 62.1949, 51.1879,
45.8553

■ 69.7217, 62.3091,
60.4872

■ 78.6313, 75.5310,
77.6300

■ 88.9883, 90.9540,
97.3940

Harmonies

Analogous

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



47.8509, 21.6272, 18.1837



41.6322, 21.6272, 3.3467



29.9805, 21.6272, 0.2066

Triad

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



41.6322, 21.6272, 3.3467



7.1040, 21.6272, 6.9210



22.6607, 21.6272, 140.3946

Complementary

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



41.6322, 21.6272, 3.3467



50.9164, 77.5998, 90.9378

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.



13.3479, 21.6272, 125.2547



41.6322, 21.6272, 3.3467



6.3132, 21.6272, 29.8762

Square

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



41.6322, 21.6272, 3.3467



10.8735, 21.6272, 0.8996



8.1550, 21.6272, 76.0517



34.7500, 21.6272, 108.3084

Rectangle

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



41.6322, 21.6272, 3.3467



22.0695, 21.6272, 0.0000



8.1550, 21.6272, 76.0517



19.1133, 21.6272, 140.8555

Sweetspot

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



41.6327, 21.6286, 3.3470



66.7565, 57.9211, 54.7421



52.3620, 25.1048, 96.6930



13.6122, 11.3985, 10.4008



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.



41.6327, 21.6286, 3.3470



41.3747, 21.3139, 2.6393



47.2435, 33.1607, 4.2605



18.0699, 18.0113, 18.9851



21.6401, 11.1453, 1.4891



2.1268, 1.0931, 0.2491

Inverse Universe

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



41.6327, 21.6286, 3.3470



41.3747, 21.3139, 2.6393



29.7209, 30.3357, 98.8960



18.0699, 18.0113, 18.9851



21.6401, 11.1453, 1.4891



2.1268, 1.0931, 0.2491

Previews

White Background



This preview shows how the XYZ color 41.6322, 21.6272, 3.3467 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 41.6322, 21.6272, 3.3467 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 41.6322, 21.6272, 3.3467

Background



This preview shows how black text looks on a background with the XYZ color 41.6322, 21.6272, 3.3467.



This preview shows how white text looks on a background with the XYZ color 41.6322, 21.6272,

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

41.6322, 21.6272, 3.3467

Protanopia

20.0414, 21.9056, 6.7863

Deuteranopia

22.0638, 21.7056, 3.0267

Trichromacy



Original Color

41.6322, 21.6272, 3.3467

Protanomaly

23.6080, 17.0512, 4.7362

Deuteranomaly

25.8486, 17.7969, 2.4206

Monochromacy



Original Color

41.6322, 21.6272, 3.3467

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

14.8417, 9.9329, 6.4452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6322, 21.6272, 3.3467 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, 12, 32)` looks like.

```
.text, #text, p{  
    color:rgb(255, 12, 32)  
}
```

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, 12, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 12, 32) }
```

Border

The CSS property to change the border of an element to XYZ 41.6322, 21.6272, 3.3467 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, 12, 32) }
```

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

```
.border{ border-color:rgb(255, 12, 32) }
```

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

Here you see how a box with a 4 pixel rgb(255, 12, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 12, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 12, 32);  
box-shadow:4px 4px 4px 4px rgb(255, 12,  
32) }
```


Background

The CSS property to change the background color of an element to XYZ 41.6322, 21.6272, 3.3467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 12, 32) }
```

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

```
.background{ background-color: rgb(255, 12,  
32) }
```

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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