

Converting Colors

XYZ(42.3251, 22.1423, 6.2619)

Have a look what the booklet for
XYZ(42.3251, 22.1423, 6.2619)
contains.

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Color

**XYZ(42.3425, 22.1601,
6.3206)**

Conversions

Conversions Part 1

Format	Color
Hex	FF163C
RGB	255, 22, 60
RGB Percent	100%, 9%, 24%
CMY	0.0000, 0.9136, 0.7647
CMYK	0.00, 0.91, 0.76, 0.00
HSL	350°, 100%, 54%
HSV	350°, 91%, 100%
XYZ	42.3425, 22.1601, 6.3206
YIQ	95.9990, 126.6700, 61.2140

Conversions

Conversions Part 2

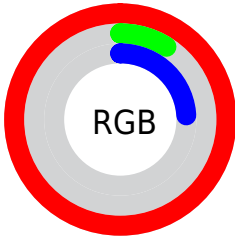
Format	Color
RYB	255, 22, 60
Decimal	16717372
CIELab	54.20, 79.30, 43.59
CIELCh	54, 90.490, 28.796
Yxy	22.1601, 0.5979, 0.3129
Android (android.graphics.Color)	4294907452 (0xFFFF163C)
YUV	95.9990, -17.7475, 139.4439
Hunter-Lab	47.0745, 78.1765, 24.9914

Details

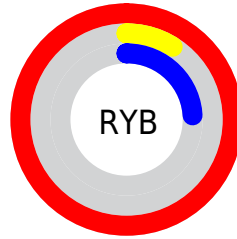
The XYZ color **42.3425, 22.1601, 6.3206** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **48.6212, 76.7023, 77.9158**, and the grayscale version is **11.1435, 11.7238, 12.7672**.

A 20% lighter version of the original color is **48.6981, 31.8455, 17.7675**, and **21.0874, 10.8593, 1.5149** is the 20% darker color. If you saturate the color by 10%, you get **41.6496, 21.4238, 4.0885**, and if you desaturate by 10%, it is **43.7762, 23.9357, 10.1655**.

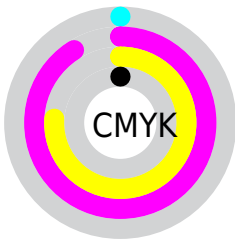
Distribution



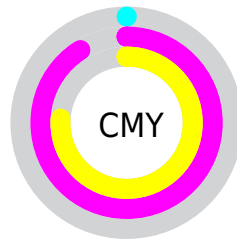
- Red (100%)
- Green (9%)
- Blue (24%)



- Red (100%)
- Yellow (9%)
- Blue (24%)



- Cyan (0%)
- Magenta (91%)
- Yellow (76%)
- Black (0%)





- Cyan (0%)
- Magenta (91%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3425, 22.1601, 6.3206 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 42.3425, 22.1601, 6.3206 by changing the saturation by 10% instead.

 42.3425, 22.1601,
6.3206


 42.3425, 22.1601,
6.3206


346.8683,
263.3812, 171.3035


 29.5619, 13.9746,
2.9691


 77.9796, 47.0105,
19.0818


 19.6527, 8.1030,
1.0789


 101.5668, 64.4441,
29.3286


 12.2496, 4.1609,
0.0000


 129.4869, 85.7292,
42.7109

 6.9873, 1.7640,
0.0000

 162.1053,
111.2503, 59.6472

 3.5004, 0.4646,
0.0000

 199.7872,
141.3916, 80.5560

 1.4236, 0.0000,
0.0000

 242.8982,

 0.2729, 0.0000,

176.5376, 105.8560

0.0000

291.8034,
217.0727, 135.9656

■ 0.0000, 0.0000,
0.0000

■ 42.3425, 22.1601,
6.3206

■ 42.3425, 22.1601,
6.3206

■ 41.6496, 21.4238,
4.0885

■ 43.7762, 23.9357,
10.1655

■ 46.0576, 27.0035,
15.5353

■ 49.2985, 31.5531,
22.5725

■ 53.5927, 37.7417,
31.4022

■ 59.0226, 45.7064,
42.1375

65.6624, 55.5698,
54.8818

73.5796, 67.4437,
69.7311

82.8371, 81.4310,
86.7753

93.4934, 97.6278,
106.0989

Harmonies

Analogous

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



46.1680, 22.1601, 25.2833



42.3425, 22.1601, 6.3206



32.4482, 22.1601, 1.1304

Triad

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



42.3425, 22.1601, 6.3206



8.6811, 22.1601, 5.5483



20.6681, 22.1601, 128.7626

Complementary

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



42.3425, 22.1601, 6.3206



48.6212, 76.7023, 77.9158

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.



12.7107, 22.1601, 106.3343



42.3425, 22.1601, 6.3206



7.2553, 22.1601, 23.0096

Square

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



42.3425, 22.1601, 6.3206



13.2080, 22.1601, 0.9890



8.4631, 22.1601, 60.7150



31.5398, 22.1601, 109.4193

Rectangle

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



42.3425, 22.1601, 6.3206



24.9517, 22.1601, 0.3270



8.4631, 22.1601, 60.7150



17.6000, 22.1601, 125.6745

Sweetspot

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



42.3430, 22.1615, 6.3209



68.9509, 60.4892, 61.0865



46.7076, 22.4206, 96.4728



14.2023, 12.1149, 12.0268



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.



42.3430, 22.1615, 6.3209



41.6499, 21.4240, 4.0886



45.9128, 30.3737, 4.2040



18.1301, 18.0353, 19.3021



21.7983, 11.2086, 2.3222



2.1550, 1.1044, 0.3979

Inverse Universe

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



42.3430, 22.1615, 6.3209



41.6499, 21.4240, 4.0886



34.1724, 38.9724, 100.3283



18.1301, 18.0353, 19.3021



21.7983, 11.2086, 2.3222



2.1550, 1.1044, 0.3979

Previews

White Background



This preview shows how the XYZ color 42.3425, 22.1601, 6.3206 looks on a white background.

Color Contrast Check

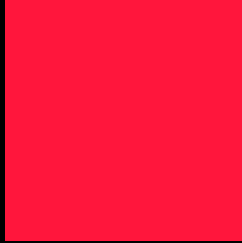
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.3425, 22.1601, 6.3206 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 42.3425, 22.1601, 6.3206

Background



This preview shows how black text looks on a background with the XYZ color 42.3425, 22.1601, 6.3206.



This preview shows how white text looks on a background with the XYZ color 42.3425, 22.1601,

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

42.3425, 22.1601, 6.3206

Protanopia

20.8126, 22.3662, 12.8930

Deuteranopia

22.7856, 22.3913, 5.6036



Tritanopia

41.5385, 22.1210, 3.0002

Trichromacy



Original Color

42.3425, 22.1601, 6.3206

Protanomaly

24.4438, 17.9918, 9.5816

Deuteranomaly

26.7489, 18.7824, 5.2332

Tritanomaly

41.6382, 22.0413, 3.8935

Monochromacy



Original Color

42.3425, 22.1601, 6.3206

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

17.0159, 11.7508, 9.5549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3425, 22.1601, 6.3206 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, 22, 60)` looks like.

```
.text, #text, p{  
    color:rgb(255, 22, 60)  
}
```

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, 22, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 22, 60) }
```

Border

The CSS property to change the border of an element to XYZ 42.3425, 22.1601, 6.3206 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, 22, 60) }
```


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

```
.border{ border-color:rgb(255, 22, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 22, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 22, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 22, 60);  
box-shadow:4px 4px 4px 4px rgb(255, 22,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3425, 22.1601, 6.3206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 22, 60) }
```

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

```
.background{ background-color: rgb(255, 22,  
60) }
```

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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