

Converting Colors

XYZ(42.6012, 23.3477, 4.3408)

Have a look what the booklet for
XYZ(42.6012, 23.3477, 4.3408)
contains.

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Color

**XYZ(42.6172, 23.3741,
4.3633)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2E29
RGB	255, 46, 41
RGB Percent	100%, 18%, 16%
CMY	0.0000, 0.8195, 0.8392
CMYK	0.00, 0.82, 0.84, 0.00
HSL	1°, 100%, 58%
HSV	1°, 84%, 100%
XYZ	42.6172, 23.3741, 4.3633
YIQ	107.9210, 126.1690, 42.7530

Conversions

Conversions Part 2

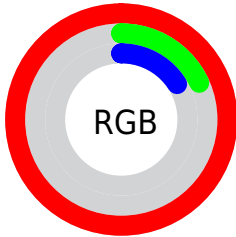
Format	Color
R_{YB}	255, 46, 41
Decimal	16723497
CIE _{Lab}	55.46, 74.70, 54.76
CIE _{LCh}	55, 92.618, 36.245
Yxy	23.3741, 0.6057, 0.3322
Android (android.graphics.Color)	4294913577 (0xFFFF2E29)
YUV	107.9210, -32.9921, 128.9883
Hunter-Lab	48.3468, 72.7391, 28.4918

Details

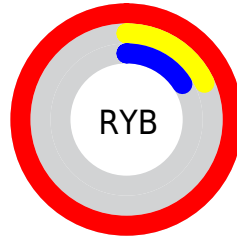
The XYZ color **42.6172, 23.3741, 4.3633** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **53.1433, 76.0493, 106.4849**, and the grayscale version is **14.2992, 15.0439, 16.3828**.

A 20% lighter version of the original color is **48.9483, 33.7915, 13.3937**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.5998, 21.8365, 2.4932**, and if you desaturate by 10%, it is **44.4862, 26.1558, 7.9359**.

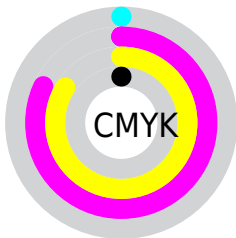
Distribution



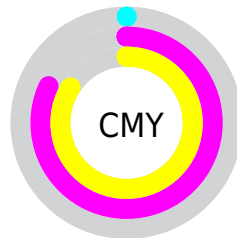
- Red (100%)
- Green (18%)
- Blue (16%)



- Red (100%)
- Yellow (18%)
- Blue (16%)



- Cyan (0%)
- Magenta (82%)
- Yellow (84%)
- Black (0%)





- Cyan (0%)
- Magenta (82%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6172, 23.3741, 4.3633 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 42.6172, 23.3741, 4.3633 by changing the saturation by 10% instead.


 42.6172, 23.3741,
4.3633


 42.6172, 23.3741,
4.3633


347.9834,
269.6407, 152.1817


 29.7781, 14.8700,
1.8267


 78.3922, 49.0069,
14.8393

 19.8175, 8.7282,
0.4455


 102.0588, 66.9043,
23.6158

 12.3699, 4.5643,
0.0000


 130.0653, 88.7017,
35.3094

 7.0701, 1.9940,
0.0000

 162.7770,
114.7833, 50.3385

 3.5527, 0.6040,
0.0000

 200.5593,
145.5336, 69.1218

 1.4523, 0.0000,
0.0000

 243.7776,

 0.2931, 0.0000,

181.3370, 92.0777

0.0000

292.7972,
222.5779, 119.6248

■ 0.0000, 0.0000,
0.0000

■ 42.6172, 23.3741,
4.3633

■ 42.6172, 23.3741,
4.3633

■ 41.5998, 21.8365,
2.4932

■ 44.4862, 26.1558,
7.9359

■ 41.3046, 21.3897,
1.9516

■ 47.3383, 30.3663,
13.4916

■ 51.2842, 36.1643,
21.2618

■ 56.4192, 43.6862,
31.4454

■ 62.8284, 53.0541,
44.2197

70.5891, 64.3786,
59.7449

79.7724, 77.7620,
78.1687

90.4445, 93.2992,
99.6278

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



48.6883, 23.3741, 19.7037



42.6172, 23.3741, 4.3633



31.3074, 23.3741, 0.7581

Triad

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



42.6172, 23.3741, 4.3633



8.4581, 23.3741, 8.6237



24.4685, 23.3741, 135.7703

Complementary

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



42.6172, 23.3741, 4.3633



53.1433, 76.0493, 106.4849

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.



15.0813, 23.3741, 122.4250



42.6172, 23.3741, 4.3633



7.6554, 23.3741, 32.2182

Square

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



42.6172, 23.3741, 4.3633



12.3488, 23.3741, 1.5530



9.6557, 23.3741, 76.7046



36.2974, 23.3741, 105.4818

Rectangle

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



42.6172, 23.3741, 4.3633



23.5551, 23.3741, 0.2233



9.6557, 23.3741, 76.7046



20.9294, 23.3741, 136.4348

Sweetspot

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



42.6177, 23.3756, 4.3636



69.6853, 63.0601, 57.9336



59.5134, 29.8381, 94.2471



14.3094, 12.6132, 11.1867



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.



42.6177, 23.3756, 4.3636



41.3049, 21.3899, 1.9516



52.7979, 43.7359, 7.7570



18.0435, 18.0552, 18.6783



21.5975, 11.2062, 1.0247



2.1144, 1.1141, 0.1036

Inverse Universe

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



53.1433, 76.0493, 106.4849



51.9312, 74.9823, 106.3437



29.0033, 27.7694, 98.4383



18.5162, 20.4040, 23.2124



27.1517, 39.2129, 55.5724



2.6548, 3.8403, 5.4146

Previews

White Background



This preview shows how the XYZ color 42.6172, 23.3741, 4.3633 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 42.6172, 23.3741, 4.3633 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 42.6172, 23.3741, 4.3633

Background



This preview shows how black text looks on a background with the XYZ color 42.6172, 23.3741, 4.3633.



This preview shows how white text looks on a background with the XYZ color 42.6172, 23.3741,

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

42.6172, 23.3741, 4.3633

Protanopia

21.4975, 23.4298, 8.0920

Deuteranopia

23.6757, 23.2731, 3.5921



Tritanopia

42.6716, 23.3958, 4.6497

Trichromacy



Original Color

42.6172, 23.3741, 4.3633

Protanomaly

25.8368, 20.1480, 6.1416

Deuteranomaly

28.2488, 20.8906, 3.3540

Tritanomaly

42.6530, 23.3884, 4.5518

Monochromacy



Original Color

42.6172, 23.3741, 4.3633

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

19.5467, 14.7142, 10.1974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6172, 23.3741, 4.3633 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, 46, 41)` looks like.

```
.text, #text, p{  
    color:rgb(255, 46, 41)  
}
```

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, 46, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 46, 41) }
```

Border

The CSS property to change the border of an element to XYZ 42.6172, 23.3741, 4.3633 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, 46, 41) }
```


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

```
.border{ border-color:rgb(255, 46, 41) }
```

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

Here you see how a box with a 4 pixel rgb(255, 46, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 46, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 46, 41);  
box-shadow:4px 4px 4px 4px rgb(255, 46,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6172, 23.3741, 4.3633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 46, 41) }
```

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

```
.background{ background-color: rgb(255, 46,  
41) }
```

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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