

Converting Colors

XYZ(42.6621, 23.3412, 4.7561)

Have a look what the booklet for
XYZ(42.6621, 23.3412, 4.7561)
contains.

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Color

**XYZ(42.6520, 23.3262,
4.7370)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2D2D
RGB	255, 45, 45
RGB Percent	100%, 18%, 18%
CMY	0.0000, 0.8234, 0.8235
CMYK	0.00, 0.82, 0.82, 0.00
HSL	0°, 100%, 59%
HSV	0°, 82%, 100%
XYZ	42.6520, 23.3262, 4.7370
YIQ	107.7900, 125.1600, 44.5200

Conversions

Conversions Part 2

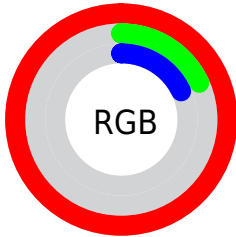
Format	Color
RYB	255, 45, 45
Decimal	16723245
CIELab	55.41, 75.01, 52.77
CIELCh	55, 91.715, 35.128
Yxy	23.3262, 0.6032, 0.3299
Android (android.graphics.Color)	4294913325 (0xFFFF2D2D)
YUV	107.7900, -30.9555, 129.1032
Hunter-Lab	48.2972, 73.1160, 27.9929

Details

The XYZ color **42.6520, 23.3262, 4.7370** 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 **54.8853, 79.2843, 107.0176**, and the grayscale version is **14.2571, 14.9995, 16.3345**.

A 20% lighter version of the original color is **49.1209, 33.8606, 14.3027**, and **20.9863, 10.8188, 0.9821** is the 20% darker color. If you saturate the color by 10%, you get **41.6034, 21.7922, 2.6523**, and if you desaturate by 10%, it is **44.5837, 26.1538, 8.5759**.

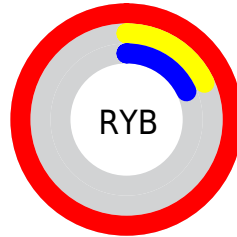
Distribution



Red (100%)

Green (18%)

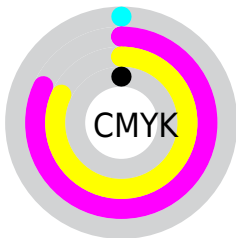
Blue (18%)



Red (100%)

Yellow (18%)

Blue (18%)

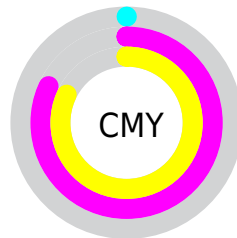


Cyan (0%)

Magenta (82%)

Yellow (82%)

Black (0%)



Cyan (0%)


Magenta (82%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6520, 23.3262, 4.7370 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 42.6520, 23.3262, 4.7370 by changing the saturation by 10% instead.


 42.6520, 23.3262,
4.7370


 42.6520, 23.3262,
4.7370


348.1245,
269.3960, 156.0952


 29.8055, 14.8346,
2.0378


 78.4444, 48.9284,
15.6767

 19.8383, 8.7034,
0.5784


 102.1211, 66.8077,
24.7542


 12.3852, 4.5482,
0.0000


 130.1385, 88.5851,
36.7950

 7.0806, 1.9847,
0.0000

 162.8620,
114.6449, 52.2174

 3.5594, 0.5986,
0.0000

 200.6571,
145.3715, 71.4401

 1.4560, 0.0000,
0.0000

 243.8889,

 0.2956, 0.0000,

181.1492, 94.8816

0.0000

292.9229,
222.3626, 122.9605

■ 0.0000, 0.0000,
0.0000

■ 42.6520, 23.3262,
4.7370

■ 42.6520, 23.3262,
4.7370

■ 41.6034, 21.7922,
2.6523

■ 44.5837, 26.1538,
8.5759

■ 41.2399, 21.2604,
1.9301

■ 47.5353, 30.4730,
14.4429

■ 51.6215, 36.4524,
22.5657

■ 56.9415, 44.2372,
33.1413

■ 63.5836, 53.9565,
46.3454

71.6280, 65.7277,
62.3376

81.1487, 79.6591,
81.2647

92.2143, 95.8510,
103.2632

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



48.3494, 23.3262, 20.6550



42.6520, 23.3262, 4.7370



31.5951, 23.3262, 0.8613

Triad

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



42.6520, 23.3262, 4.7370



8.6126, 23.3262, 8.2237



23.9900, 23.3262, 134.2544

Complementary

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



42.6520, 23.3262, 4.7370



54.8853, 79.2843, 107.0176

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.



14.8360, 23.3262, 119.5415



42.6520, 23.3262, 4.7370



7.7097, 23.3262, 30.8172

Square

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



42.6520, 23.3262, 4.7370



12.6102, 23.3262, 1.5150



9.5907, 23.3262, 74.0601



35.6423, 23.3262, 105.8508

Rectangle

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



42.6520, 23.3262, 4.7370



23.8970, 23.3262, 0.2898



9.5907, 23.3262, 74.0601



20.5299, 23.3262, 134.3216

Sweetspot

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



42.6525, 23.3277, 4.7373



69.3582, 62.4060, 57.8246



60.2279, 30.3566, 97.2920



14.2343, 12.4630, 11.1617



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.



42.6525, 23.3277, 4.7373



41.2819, 21.3215, 2.0129



52.6196, 43.2619, 8.0597



18.0096, 17.9874, 18.6670



21.5490, 11.1092, 1.0085



2.0982, 1.0818, 0.0982

Inverse Universe

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



54.8853, 79.2843, 107.0176



53.8341, 78.7409, 106.9689



30.0384, 29.5905, 98.7353



18.5548, 20.4812, 23.2253



28.1128, 41.1353, 55.8928



2.7373, 4.0053, 5.4421

Previews

White Background



This preview shows how the XYZ color 42.6520, 23.3262, 4.7370 looks on a white background.

Color Contrast Check

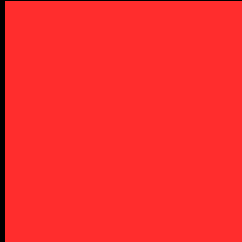
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.6520, 23.3262, 4.7370 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 42.6520, 23.3262, 4.7370

Background



This preview shows how black text looks on a background with the XYZ color 42.6520, 23.3262, 4.7370.



This preview shows how white text looks on a background with the XYZ color 42.6520, 23.3262,

4.7370.

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

42.6520, 23.3262, 4.7370

Protanopia

21.4635, 23.3955, 8.8534

Deuteranopia

23.7640, 23.3084, 4.0571



Tritanopia

42.6330, 23.3186, 4.6368

Trichromacy



Original Color

42.6520, 23.3262, 4.7370

Protanomaly

25.7190, 20.0727, 6.7938

Deuteranomaly

28.3414, 20.9277, 3.8420

Tritanomaly

42.6330, 23.3186, 4.6368

Monochromacy



Original Color

42.6520, 23.3262, 4.7370

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

19.5861, 14.7299, 10.4052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6520, 23.3262, 4.7370 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, 45, 45)` looks like.

```
.text, #text, p{  
  color:rgb(255, 45, 45)  
}
```

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, 45, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 45, 45) }
```

Border

The CSS property to change the border of an element to XYZ 42.6520, 23.3262, 4.7370 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, 45, 45) }
```


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

```
.border{ border-color:rgb(255, 45, 45) }
```

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

Here you see how a box with a 4 pixel rgb(255, 45, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 45, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 45, 45);  
box-shadow:4px 4px 4px 4px rgb(255, 45,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6520, 23.3262, 4.7370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 45, 45) }
```

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

```
.background{ background-color: rgb(255, 45,  
45) }
```

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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