

Converting Colors

XYZ(42.6792, 22.9109, 6.1941)

Have a look what the booklet for
XYZ(42.6792, 22.9109, 6.1941)
contains.

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Color

**XYZ(42.6653, 22.8886,
6.1722)**

Conversions

Conversions Part 1

Format	Color
Hex	FF253A
RGB	255, 37, 58
RGB Percent	100%, 15%, 23%
CMY	0.0000, 0.8548, 0.7725
CMYK	0.00, 0.85, 0.77, 0.00
HSL	354°, 100%, 57%
HSV	354°, 85%, 100%
XYZ	42.6653, 22.8886, 6.1722
YIQ	104.5760, 123.1870, 52.7470

Conversions

Conversions Part 2

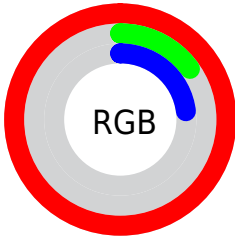
Format	Color
RYB	255, 37, 58
Decimal	16721210
CIELab	54.96, 76.99, 45.51
CIELCh	55, 89.434, 30.590
Yxy	22.8886, 0.5948, 0.3191
Android (android.graphics.Color)	4294911290 (0xFFFF253A)
YUV	104.5760, -22.9620, 131.9218
Hunter-Lab	47.8420, 75.4619, 25.8403

Details

The XYZ color **42.6653, 22.8886, 6.1722** 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 **51.3783, 77.8552, 90.1793**, and the grayscale version is **13.3526, 14.0480, 15.2982**.

A 20% lighter version of the original color is **49.3102, 33.2379, 17.4523**, and **21.0725, 10.8533, 1.4362** is the 20% darker color. If you saturate the color by 10%, you get **41.6682, 21.6325, 3.5659**, and if you desaturate by 10%, it is **44.4780, 25.3572, 10.3439**.

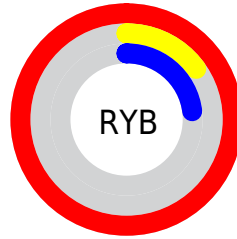
Distribution



Red (100%)

Green (15%)

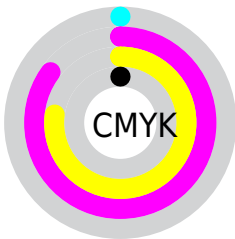
Blue (23%)



Red (100%)

Yellow (15%)

Blue (23%)

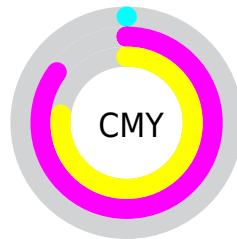


Cyan (0%)

Magenta (85%)

Yellow (77%)

Black (0%)



Cyan (0%)


Magenta (85%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6653, 22.8886, 6.1722 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 42.6653, 22.8886, 6.1722 by changing the saturation by 10% instead.


 42.6653, 22.8886,
6.1722

 42.6653, 22.8886,
6.1722


348.1784,
267.1523, 169.9574


 29.8160, 14.5113,
2.8796


 78.4644, 48.2103,
18.7711

 19.8463, 8.4771,
1.0335


 102.1449, 65.9235,
28.9144

 12.3910, 4.4017,
0.0000


 130.1665, 87.5175,
42.1785

 7.0846, 1.9007,
0.0000

 162.8945,
113.3766, 58.9817

 3.5619, 0.5488,
0.0000

 200.6944,
143.8852, 79.7426

 1.4574, 0.0000,
0.0000

 243.9314,

 0.2966, 0.0000,

179.4278, 104.8799

0.0000

292.9710,
220.3887, 134.8120

■ 0.0000, 0.0000,
0.0000

■ 42.6653, 22.8886,
6.1722

■ 42.6653, 22.8886,
6.1722

■ 41.6682, 21.6325,
3.5659

■ 44.4780, 25.3572,
10.3439

■ 41.4103, 21.3281,
2.8280

■ 47.2349, 29.2447,
16.2766

■ 51.0434, 34.7234,
24.1381

■ 55.9958, 41.9401,
34.0761

■ 62.1744, 51.0249,
46.2242

69.6538, 62.0954,
60.7044

78.5026, 75.2596,
77.6300

88.7847, 90.6177,
97.1068

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



46.9616, 22.8886, 24.3635



42.6653, 22.8886, 6.1722



32.5364, 22.8886, 1.1939

Triad

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



42.6653, 22.8886, 6.1722



9.0055, 22.8886, 6.5645



21.9519, 22.8886, 129.2585

Complementary

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



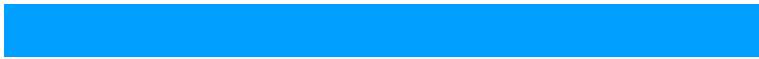
42.6653, 22.8886, 6.1722



51.3783, 77.8552, 90.1793

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.



13.6648, 22.8886, 109.2892



42.6653, 22.8886, 6.1722



7.7078, 22.8886, 25.4886

Square

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



42.6653, 22.8886, 6.1722



13.4167, 22.8886, 1.2697



9.1150, 22.8886, 64.3650



32.9834, 22.8886, 107.7889

Rectangle

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



42.6653, 22.8886, 6.1722



25.0268, 22.8886, 0.4561



9.1150, 22.8886, 64.3650



18.7814, 22.8886, 127.0758

Sweetspot

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



42.6658, 22.8900, 6.1725



69.2325, 61.4700, 59.8932



52.3824, 25.9023, 96.8459



14.2368, 12.2947, 11.6973



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.



42.6658, 22.8900, 6.1725



41.4105, 21.3282, 2.8280



48.8086, 35.8627, 6.1020



18.0804, 18.0155, 19.0404



21.6613, 11.1538, 1.6010



2.1317, 1.0951, 0.2752

Inverse Universe

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



42.6658, 22.8900, 6.1725



41.4105, 21.3282, 2.8280



32.7812, 35.5487, 99.7410



18.0804, 18.0155, 19.0404



21.6613, 11.1538, 1.6010



2.1317, 1.0951, 0.2752

Previews

White Background



This preview shows how the XYZ color 42.6653, 22.8886, 6.1722 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 42.6653, 22.8886, 6.1722 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 42.6653, 22.8886, 6.1722

Background



This preview shows how black text looks on a background with the XYZ color 42.6653, 22.8886, 6.1722.



This preview shows how white text looks on a background with the XYZ color 42.6653, 22.8886,

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

42.6653, 22.8886, 6.1722

Protanopia

21.2186, 22.9980, 11.9151

Deuteranopia

23.2867, 22.8410, 5.4669



Tritanopia

42.3828, 22.9858, 4.0366

Trichromacy



Original Color

42.6653, 22.8886, 6.1722

Protanomaly

25.3119, 19.2477, 9.0377

Deuteranomaly

27.7366, 20.0479, 5.2041

Tritanomaly

42.4724, 22.9670, 4.6772

Monochromacy



Original Color

42.6653, 22.8886, 6.1722

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

19.1273, 13.9155, 10.9104

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6653, 22.8886, 6.1722 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, 37, 58)` looks like.

```
.text, #text, p{  
    color:rgb(255, 37, 58)  
}
```

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, 37, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 37, 58) }
```

Border

The CSS property to change the border of an element to XYZ 42.6653, 22.8886, 6.1722 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, 37, 58) }
```


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

```
.border{ border-color:rgb(255, 37, 58) }
```

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

Here you see how a box with a 4 pixel rgb(255, 37, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 37, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 37, 58);  
box-shadow:4px 4px 4px 4px rgb(255, 37,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6653, 22.8886, 6.1722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 37, 58) }
```

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

```
.background{ background-color: rgb(255, 37,  
58) }
```

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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