

Converting Colors

XYZ(42.6712, 22.5767, 7.1722)

Have a look what the booklet for
XYZ(42.6712, 22.5767, 7.1722)
contains.

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Color

**XYZ(42.6584, 22.5702,
7.1092)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1E41
RGB	255, 30, 65
RGB Percent	100%, 12%, 25%
CMY	0.0000, 0.8822, 0.7451
CMYK	0.00, 0.88, 0.75, 0.00
HSL	351°, 100%, 56%
HSV	351°, 88%, 100%
XYZ	42.6584, 22.5702, 7.1092
YIQ	101.2650, 122.8650, 58.5850

Conversions

Conversions Part 2

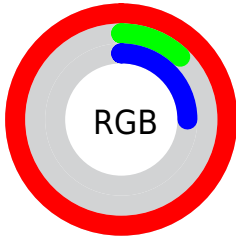
Format	Color
R_{YB}	255, 30, 65
Decimal	16719425
CIE _{Lab}	54.63, 78.39, 41.24
CIE _{LCh}	55, 88.576, 27.745
Yxy	22.5702, 0.5897, 0.3120
Android (android.graphics.Color)	4294909505 (0xFFFF1E41)
YUV	101.2650, -17.8786, 134.8256
Hunter-Lab	47.5081, 77.1392, 24.3834

Details

The XYZ color **42.6584, 22.5702, 7.1092** 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 **49.2182, 76.9648, 79.9921**, and the grayscale version is **12.4647, 13.1138, 14.2809**.

A 20% lighter version of the original color is **49.3747, 32.7603, 19.3438**, and **21.1311, 10.8767, 1.7447** is the 20% darker color. If you saturate the color by 10%, you get **41.7335, 21.5360, 4.2877**, and if you desaturate by 10%, it is **44.3327, 24.7235, 11.3534**.

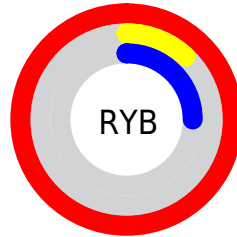
Distribution



Red (100%)

Green (12%)

Blue (25%)



Red (100%)

Yellow (12%)

Blue (25%)

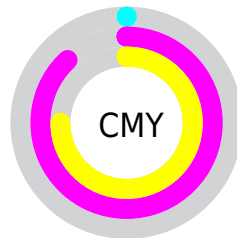


Cyan (0%)

Magenta (88%)

Yellow (75%)

Black (0%)



Cyan (0%)


Magenta (88%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6584, 22.5702, 7.1092 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 42.6584, 22.5702, 7.1092 by changing the saturation by 10% instead.


 42.6584, 22.5702,
7.1092


 42.6584, 22.5702,
7.1092


348.1504,
265.5097, 178.2332


 29.8105, 14.2765,
3.4510


 78.4540, 47.6866,
20.7092

 19.8422, 8.3132,
1.3293


 102.1326, 65.2781,
31.4880

 12.3880, 4.2960,
0.0856


 130.1520, 86.7376,
45.4775

 7.0826, 1.8405,
0.0000

 162.8777,
112.4496, 63.0961

 3.5606, 0.5122,
0.0000

 200.6750,
142.7984, 84.7625

 1.4567, 0.0000,
0.0000

 243.9094,

 0.2961, 0.0000,

178.1684, 110.8951

0.0000

292.9460,
218.9441, 141.9125

■ 0.0000, 0.0000,
0.0000

■ 42.6584, 22.5702,
7.1092

■ 42.6584, 22.5702,
7.1092

■ 41.7335, 21.5360,
4.2877

■ 44.3327, 24.7235,
11.3534

■ 41.6166, 21.4106,
3.9146

■ 46.8951, 28.2335,
17.1857

■ 50.4516, 33.2788,
24.7461

■ 55.0928, 40.0097,
34.1590

■ 60.8986, 48.5585,
45.5367

67.9415, 59.0442,
58.9828

76.2879, 71.5757,
74.5935

85.9995, 86.2540,
92.4589

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.



46.1301, 22.5702, 26.7459



42.6584, 22.5702, 7.1092



33.0778, 22.5702, 1.4008

Triad

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



42.6584, 22.5702, 7.1092



9.1936, 22.5702, 5.6276



20.7240, 22.5702, 126.5459

Complementary

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



42.6584, 22.5702, 7.1092



49.2182, 76.9648, 79.9921

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.



12.9304, 22.5702, 103.5460



42.6584, 22.5702, 7.1092



7.6542, 22.5702, 22.5251

Square

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



42.6584, 22.5702, 7.1092



13.8624, 22.5702, 1.1110



8.7812, 22.5702, 58.9496



31.4038, 22.5702, 109.1480

Rectangle

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



42.6584, 22.5702, 7.1092



25.6774, 22.5702, 0.5332



8.7812, 22.5702, 58.9496



17.7181, 22.5702, 123.0583

Sweetspot

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



42.6589, 22.5716, 7.1095



69.6826, 61.6501, 62.2634



47.2804, 22.9792, 96.5505



14.3404, 12.3361, 12.2430



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.



42.6589, 22.5716, 7.1095



41.6169, 21.4107, 3.9146



46.5281, 31.4610, 4.8506



18.1245, 18.0331, 19.2726



21.7797, 11.2012, 2.2243



2.1524, 1.1033, 0.3841

Inverse Universe

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



42.6589, 22.5716, 7.1095



41.6169, 21.4107, 3.9146



34.9094, 40.1429, 100.5155



18.1245, 18.0331, 19.2726



21.7797, 11.2012, 2.2243



2.1524, 1.1033, 0.3841

Previews

White Background



This preview shows how the XYZ color 42.6584, 22.5702, 7.1092 looks on a white background.

Color Contrast Check

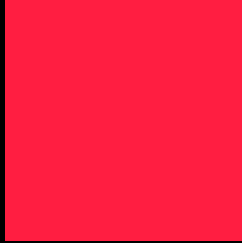
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.6584, 22.5702, 7.1092 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 42.6584, 22.5702, 7.1092

Background



This preview shows how black text looks on a background with the XYZ color 42.6584, 22.5702, 7.1092.



This preview shows how white text looks on a background with the XYZ color 42.6584, 22.5702,

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

42.6584, 22.5702, 7.1092

Protanopia

21.2121, 22.7398, 14.3376

Deuteranopia

23.0354, 22.6928, 6.2980



Tritanopia

41.8234, 22.5095, 3.6538

Trichromacy



Original Color

42.6584, 22.5702, 7.1092

Protanomaly

24.9338, 18.6064, 10.8716

Deuteranomaly

27.1349, 19.3336, 6.0430

Tritanomaly

41.9187, 22.4043, 4.5977

Monochromacy



Original Color

42.6584, 22.5702, 7.1092

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

18.1822, 12.9048, 10.7651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6584, 22.5702, 7.1092 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, 30, 65)` looks like.

```
.text, #text, p{  
    color:rgb(255, 30, 65)  
}
```

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, 30, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 30, 65) }
```

Border

The CSS property to change the border of an element to XYZ 42.6584, 22.5702, 7.1092 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, 30, 65) }
```


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

```
.border{ border-color:rgb(255, 30, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 30, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 30, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 30, 65);  
box-shadow:4px 4px 4px 4px rgb(255, 30,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6584, 22.5702, 7.1092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 30, 65) }
```

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

```
.background{ background-color: rgb(255, 30,  
65) }
```

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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