

Converting Colors

XYZ(42.0371, 22.5636, 3.0927)

Have a look what the booklet for
XYZ(42.0371, 22.5636, 3.0927)
contains.

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Color

**XYZ(42.0573, 22.5963,
3.1221)**

Conversions

Conversions Part 1

Format	Color
Hex	FF241A
RGB	255, 36, 26
RGB Percent	100%, 14%, 10%
CMY	0.0000, 0.8587, 0.8980
CMYK	0.00, 0.86, 0.90, 0.00
HSL	3°, 100%, 55%
HSV	3°, 90%, 100%
XYZ	42.0573, 22.5963, 3.1221
YIQ	100.3410, 133.7340, 43.3180

Conversions

Conversions Part 2

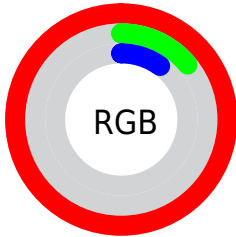
Format	Color
RYB	255, 36, 26
Decimal	16720922
CIELab	54.65, 76.47, 60.60
CIElCh	55, 97.570, 38.398
Yxy	22.5963, 0.6205, 0.3334
Android (android.graphics.Color)	4294911002 (0xFFFF241A)
YUV	100.3410, -36.6501, 135.6359
Hunter-Lab	47.5356, 74.7414, 29.3808

Details

The XYZ color **42.0573, 22.5963, 3.1221** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **51.1203, 72.7284, 105.9506**, and the grayscale version is **12.2704, 12.9094, 14.0583**.

A 20% lighter version of the original color is **47.9071, 32.5069, 10.5870**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.3696, 21.5153, 1.9868**, and if you desaturate by 10%, it is **43.4857, 24.7781, 5.6808**.

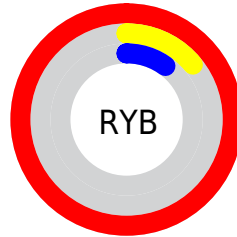
Distribution



Red (100%)

Green (14%)

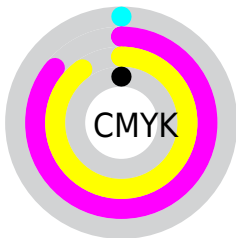
Blue (10%)



Red (100%)

Yellow (14%)

Blue (10%)

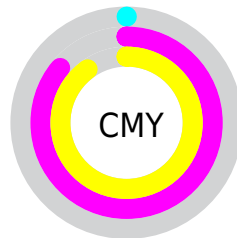


Cyan (0%)

Magenta (86%)

Yellow (90%)

Black (0%)



Cyan (0%)


Magenta (86%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0573, 22.5963, 3.1221 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 42.0573, 22.5963, 3.1221 by changing the saturation by 10% instead.

 42.0573, 22.5963,
3.1221


 42.0573, 22.5963,
3.1221


345.7080,
265.6447, 137.9009

 29.3375, 14.2957,
1.1573


 77.5510, 47.7296,
11.9283


 19.4818, 8.3266,
0.0000


 101.0555, 65.3311,
19.6067

 12.1250, 4.3046,
0.0000


 128.8856, 86.8017,
30.0268

 6.9017, 1.8454,
0.0000

 161.4068,
112.5257, 43.6071

 3.4465, 0.5152,
0.0000

 198.9842,
142.8877, 60.7661


 1.3940, 0.0000,
0.0000

 241.9833,


 0.2520, 0.0000,


178.2719, 81.9224


0.0000


 290.7695,
219.0627, 107.4945


 0.0000, 0.0000,
0.0000


 42.0573, 22.5963,
3.1221


 42.0573, 22.5963,
3.1221


 41.3696, 21.5153,
1.9868


 43.4857, 24.7781,
5.6808

 41.3612, 21.5029,
1.9705

 45.8114, 28.2601,
10.0614

 49.1503, 33.2041,
16.5193

 53.6004, 39.7472,
25.2690

 59.2480, 48.0107,
36.4982

■ 66.1713, 58.1045,
50.3754

■ 74.4416, 70.1290,
67.0543

■ 84.1248, 84.1775,
86.6767

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.



49.0547, 22.5963, 16.9403



42.0573, 22.5963, 3.1221



30.0087, 22.5963, 0.2457

Triad

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



42.0573, 22.5963, 3.1221



7.4338, 22.5963, 8.6254



24.6350, 22.5963, 141.6703

Complementary

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



42.0573, 22.5963, 3.1221



51.1203, 72.7284, 105.9506

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.



14.7384, 22.5963, 130.6643



42.0573, 22.5963, 3.1221



6.8445, 22.5963, 34.2865

Square

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



42.0573, 22.5963, 3.1221



11.0378, 22.5963, 1.2694



9.0212, 22.5963, 82.6198



37.0191, 22.5963, 106.1061

Rectangle

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



42.0573, 22.5963, 3.1221



22.0596, 22.5963, 0.0000



9.0212, 22.5963, 82.6198



20.9050, 22.5963, 143.6413

Sweetspot

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



42.0578, 22.5977, 3.1224



68.3518, 61.2774, 54.7632



58.4541, 28.7366, 90.7578



14.0649, 12.2933, 10.5842



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.



42.0578, 22.5977, 3.1224



41.3616, 21.5031, 1.9705



52.0369, 42.5560, 6.4488



18.0731, 18.1144, 18.6882



21.6397, 11.2906, 1.0388



2.1284, 1.1422, 0.1083

Inverse Universe

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



51.1203, 72.7284, 105.9506



50.3514, 71.8228, 105.8171



26.8451, 24.1781, 97.8589



18.4827, 20.3370, 23.2012



26.3397, 37.5889, 55.3017



2.5849, 3.7004, 5.3913

Previews

White Background



This preview shows how the XYZ color 42.0573, 22.5963, 3.1221 looks on a white background.

Color Contrast Check

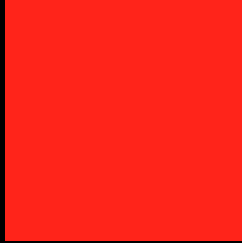
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.0573, 22.5963, 3.1221 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 42.0573, 22.5963, 3.1221

Background



This preview shows how black text looks on a background with the XYZ color 42.0573, 22.5963, 3.1221.



This preview shows how white text looks on a background with the XYZ color 42.0573, 22.5963,

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

42.0573, 22.5963, 3.1221

Protanopia

20.6620, 22.6409, 5.9704

Deuteranopia

23.0595, 22.7742, 3.1805



Tritanopia

42.1182, 22.6207, 3.4427

Trichromacy



Original Color

42.0573, 22.5963, 3.1221

Protanomaly

24.7988, 18.9513, 4.2704

Deuteranomaly

27.2524, 19.8542, 2.6543

Tritanomaly

42.0926, 22.6105, 3.3081

Monochromacy



Original Color

42.0573, 22.5963, 3.1221

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

17.5668, 12.8567, 7.8591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0573, 22.5963, 3.1221 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, 36, 26)` looks like.

```
.text, #text, p{  
  color:rgb(255, 36, 26)  
}
```

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, 36, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 36, 26) }
```

Border

The CSS property to change the border of an element to XYZ 42.0573, 22.5963, 3.1221 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, 36, 26) }
```


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

```
.border{ border-color:rgb(255, 36, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 36, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 36, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 36, 26);  
box-shadow:4px 4px 4px 4px rgb(255, 36,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0573, 22.5963, 3.1221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 36, 26) }
```

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

```
.background{ background-color: rgb(255, 36,  
26) }
```

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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