

Converting Colors

XYZ(20.7209, 29.7649, 22.4917)

Have a look what the booklet for
XYZ(20.7209, 29.7649, 22.4917)
contains.

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Color

**XYZ(20.7038, 29.7241,
22.4154)**

Conversions

Conversions Part 1

Format	Color
Hex	5AA378
RGB	90, 163, 120
RGB Percent	35%, 64%, 47%
CMY	0.6471, 0.3608, 0.5294
CMYK	0.45, 0.00, 0.26, 0.36
HSL	145°, 29%, 50%
HSV	145°, 45%, 64%
XYZ	20.7038, 29.7241, 22.4154
YIQ	136.2710, -29.7050, -28.8490

Conversions

Conversions Part 2

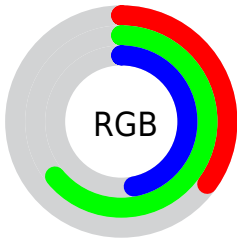
Format	Color
R_{YB}	90, 142, 163
Decimal	5940088
CIE _{Lab}	61.42, -32.84, 15.38
CIE _{LCh}	61, 36.267, 154.905
Y _{xy}	29.7241, 0.2842, 0.4081
Android (android.graphics.Color)	4284130168 (0xFF5AA378)
YUV	136.2710, -8.0216, -40.5797
Hunter-Lab	54.5198, -27.6246, 13.7872

Details

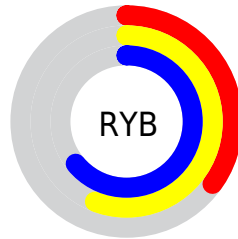
The XYZ color **20.7038, 29.7241, 22.4154** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.9950, 16.7930, 24.2208**, and the grayscale version is **23.5411, 24.7671, 26.9713**.

A 20% lighter version of the original color is **44.0194, 59.0507, 48.1076**, and **7.5493, 12.1989, 7.9180** is the 20% darker color. If you saturate the color by 10%, you get **18.7351, 28.7740, 19.4327**, and if you desaturate by 10%, it is **23.0802, 30.8792, 25.7235**.

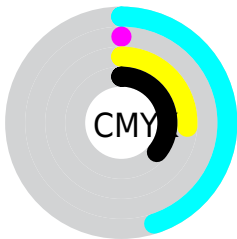
Distribution



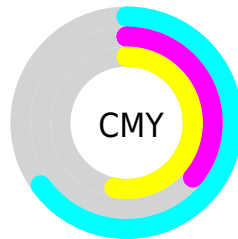
- Red (35%)
- Green (64%)
- Blue (47%)



- Red (35%)
- Yellow (56%)
- Blue (64%)



- Cyan (45%)
- Magenta (0%)
- Yellow (26%)
- Black (36%)



- Cyan (65%)
- Magenta (36%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7038, 29.7241, 22.4154 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 20.7038, 29.7241, 22.4154 by changing the saturation by 10% instead.

■ 20.7038, 29.7241,
22.4154

■ 20.7038, 29.7241,
22.4154

248.4618,
300.6163, 277.7319

■ 13.0189, 19.6293,
13.9612

■ 44.0891, 59.2256,
48.3426

■ 7.5186, 12.1258,
7.9553

■ 60.5201, 79.4010,
66.6526

■ 3.8377, 6.8294,
3.9790

■ 80.5972, 103.7055,
89.0851

■ 1.6107, 3.3557,
1.6138

■ 104.6858,
132.5233, 116.0585

■ 0.3994, 1.3201,
0.3006

133.1512,
166.2389, 147.9913

■ 0.0000, 0.1567,
0.0000

166.3588,

■ 0.0000, 0.0000,

205.2366, 185.3021

0.0000

204.6738,
249.9010, 228.4095

■ 20.7038, 29.7241,
22.4154

■ 20.7038, 29.7241,
22.4154

■ 18.7351, 28.7740,
19.4327

■ 23.0802, 30.8792,
25.7235

■ 17.1471, 28.0128,
16.7634

■ 25.8845, 32.2472,
29.3647

■ 15.9130, 27.4277,
14.3974


■ 29.1383, 33.8398,
33.3489


■ 15.0013, 27.0027,
12.3234


■ 32.8610, 35.6668,
37.6847


■ 14.3736, 26.7181,
10.5292


■ 37.0709, 37.7375,
42.3809

 14.1104, 26.6006,
9.6987

 41.7853, 40.0607,
47.4455

 47.0205, 42.6445,
52.8866

 52.7922, 45.4970,
58.7117

 59.1154, 48.6257,
64.9283

Harmonies

Analogous

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



23.3017, 29.7241, 15.1919



20.7038, 29.7241, 22.4154



20.0318, 29.7241, 34.6731

Triad

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



20.7038, 29.7241, 22.4154



29.0469, 29.7241, 66.4077



36.4998, 29.7241, 19.4938

Complementary

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



20.7038, 29.7241, 22.4154



22.9950, 16.7930, 24.2208

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.



38.4596, 29.7241, 30.1607



20.7038, 29.7241, 22.4154



33.8576, 29.7241, 59.1794

Square

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



20.7038, 29.7241, 22.4154



24.5223, 29.7241, 62.6171



37.4421, 29.7241, 44.8924



32.3416, 29.7241, 13.8697

Rectangle

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



20.7038, 29.7241, 22.4154



20.6933, 29.7241, 44.7940



37.4421, 29.7241, 44.8924



37.4577, 29.7241, 22.4774

Sweetspot

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



20.7046, 29.7253, 22.4161



53.1562, 61.0794, 60.8804



24.7433, 31.9858, 14.5430



11.6390, 13.5713, 13.3168



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.7046, 29.7253, 22.4161



33.4833, 51.4969, 34.6919



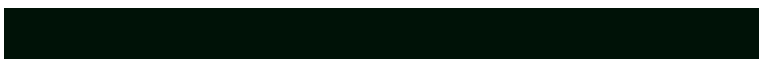
23.2900, 30.7595, 36.0304



7.1006, 7.9411, 8.1415



10.9875, 20.6813, 7.6506



0.2541, 0.4438, 0.2829

Inverse Universe

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



22.9950, 16.7930, 24.2208



38.1212, 25.2660, 38.3135



20.9329, 15.9681, 13.3620



7.2406, 7.1527, 8.2532



13.4032, 6.7173, 9.3139



0.3043, 0.1502, 0.3150

Previews

White Background



This preview shows how the XYZ color 20.7038, 29.7241, 22.4154 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 20.7038, 29.7241, 22.4154 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 20.7038, 29.7241, 22.4154

Background



This preview shows how black text looks on a background with the XYZ color 20.7038, 29.7241, 22.4154.



This preview shows how white text looks on a background with the XYZ color 20.7038, 29.7241,

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

20.7038, 29.7241, 22.4154

Protanopia

27.5149, 29.3288, 19.8336

Deuteranopia

29.9522, 29.3727, 23.4929



Tritanopia

24.6979, 29.8033, 41.9870

Trichromacy



Original Color

20.7038, 29.7241, 22.4154

Protanomaly

24.2165, 29.0300, 20.8500

Deuteranomaly

25.4660, 28.9055, 22.9760

Tritanomaly

23.0211, 29.6273, 33.7835

Monochromacy



Original Color

20.7038, 29.7241, 22.4154

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

21.9159, 26.0914, 25.0001

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7038, 29.7241, 22.4154 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(90, 163, 120)` looks like.

```
.text, #text, p{  
    color:rgb(90, 163, 120)  
}
```

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(90, 163, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 163, 120) }
```

Border

The CSS property to change the border of an element to XYZ 20.7038, 29.7241, 22.4154 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(90, 163, 120) }
```


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

```
.border{ border-color:rgb(90, 163, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 163, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 163, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 163, 120);  
box-shadow:4px 4px 4px 4px rgb(90, 163,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7038, 29.7241, 22.4154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 163, 120) }
```

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

```
.background{ background-color: rgb(90, 163,  
120) }
```

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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