

Converting Colors

XYZ(20.8328, 29.5835, 15.9209)

Have a look what the booklet for
XYZ(20.8328, 29.5835, 15.9209)
contains.

XYZ(20.9037, 29.7070, 15.9415)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.9037, 29.7070,
15.9415)**

Conversions

Conversions Part 1

Format	Color
Hex	69A261
RGB	105, 162, 97
RGB Percent	41%, 64%, 38%
CMY	0.5882, 0.3647, 0.6196
CMYK	0.35, 0.00, 0.40, 0.36
HSL	113°, 26%, 51%
HSV	113°, 40%, 64%
XYZ	20.9037, 29.7070, 15.9415
YIQ	137.5470, -13.1070, -32.2990

Conversions

Conversions Part 2

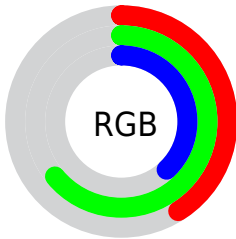
Format	Color
R_{YB}	97, 162, 154
Decimal	6922849
CIE _{Lab}	61.40, -31.81, 28.04
CIE _{LCh}	61, 42.406, 138.610
Yxy	29.7070, 0.3141, 0.4464
Android (android.graphics.Color)	4285112929 (0xFF69A261)
YUV	137.5470, -19.9897, -28.5437
Hunter-Lab	54.5041, -26.9230, 20.8116

Details

The XYZ color **20.9037, 29.7070, 15.9415** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.1240, 18.0289, 36.3925**, and the grayscale version is **24.0628, 25.3160, 27.5691**.

A 20% lighter version of the original color is **44.2587, 59.0329, 37.0788**, and **7.6516, 12.1579, 4.8492** is the 20% darker color. If you saturate the color by 10%, you get **18.6928, 28.6467, 12.2897**, and if you desaturate by 10%, it is **23.5492, 30.9753, 20.4201**.

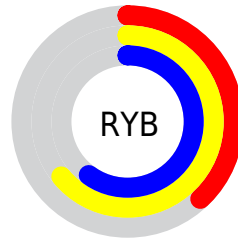
Distribution



Red (41%)

Green (64%)

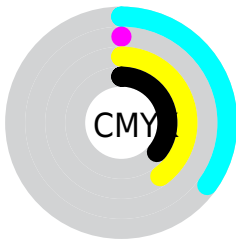
Blue (38%)



Red (38%)

Yellow (64%)

Blue (60%)

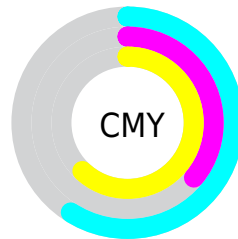


Cyan (35%)

Magenta (0%)

Yellow (40%)

Black (36%)



Cyan (59%)

Magenta (36%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9037, 29.7070, 15.9415 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 20.9037, 29.7070, 15.9415 by changing the saturation by 10% instead.

■ 20.9037, 29.7070,
15.9415

■ 20.9037, 29.7070,
15.9415

249.5077,
300.5363, 240.8302

■ 13.1657, 19.6163,
9.3289

■ 44.4197, 59.1985,
37.2620

■ 7.6205, 12.1164,
4.8566

■ 60.9284, 79.3681,
52.8069

■ 3.9029, 6.8230,
2.1061

■ 81.0913, 103.6661,
72.1664

■ 1.6473, 3.3517,
0.6194

■ 105.2739,
132.4769, 95.7589

■ 0.4230, 1.3180,
0.0000

133.8415,
166.1850, 124.0030

■ 0.0000, 0.1551,
0.0000

167.1594,

■ 0.0000, 0.0000,

205.1746, 157.3172

0.0000

205.5930,
249.8303, 196.1201

■ 20.9037, 29.7070,
15.9415

■ 20.9037, 29.7070,
15.9415

■ 18.6928, 28.6467,
12.2897

■ 23.5492, 30.9753,
20.4201

■ 16.8909, 27.7796,
9.4124

■ 26.6486, 32.4579,
25.7698

■ 15.4733, 27.0951,
7.2542


■ 30.2227, 34.1655,
32.0341


■ 14.4115, 26.5799,
5.7517


■ 34.2903, 36.1069,
39.2527


■ 13.6731, 26.2188,
4.8303


■ 38.8694, 38.2905,
47.4634

 13.2081, 25.9899,
4.3204

 43.9770, 40.7243,
56.7017

 49.6290, 43.4160,
67.0014

 55.8412, 46.3727,
78.3948

 62.6282, 49.6015,
90.9127

Harmonies

Analogous

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



24.9370, 29.7070, 11.0397



20.9037, 29.7070, 15.9415



18.9412, 29.7070, 26.6305

Triad

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



20.9037, 29.7070, 15.9415



26.1623, 29.7070, 72.9689



39.7182, 29.7070, 23.4694

Complementary

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



20.9037, 29.7070, 15.9415



24.1240, 18.0289, 36.3925

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.



40.1604, 29.7070, 38.8255



20.9037, 29.7070, 15.9415



31.8130, 29.7070, 71.2537

Square

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



20.9037, 29.7070, 15.9415



21.6982, 29.7070, 61.4334



37.1081, 29.7070, 57.3174



35.9695, 29.7070, 14.2888

Rectangle

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



20.9037, 29.7070, 15.9415



18.8718, 29.7070, 37.1855



37.1081, 29.7070, 57.3174



40.2752, 29.7070, 27.9455

Sweetspot

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



20.9044, 29.7083, 15.9422



53.4258, 61.3352, 55.6180



28.5051, 31.4376, 15.8754



11.8156, 13.6879, 12.1688



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.



20.9044, 29.7083, 15.9422



34.3792, 52.2178, 23.0355



21.2920, 29.7598, 22.6584



7.0628, 7.9349, 7.5394



10.4263, 20.4854, 3.4046



0.2414, 0.4419, 0.0726

Inverse Universe

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



24.1240, 18.0289, 36.3925



41.0143, 28.0626, 65.3111



23.7756, 18.0713, 26.3441



7.2782, 7.1578, 8.9011



13.9595, 6.6029, 27.4685



0.3158, 0.1503, 0.5782

Previews

White Background



This preview shows how the XYZ color 20.9037, 29.7070, 15.9415 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 20.9037, 29.7070, 15.9415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

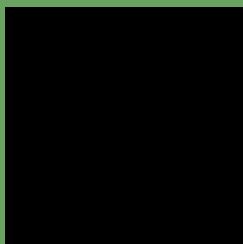
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9037, 29.7070, 15.9415

Background



This preview shows how black text looks on a background with the XYZ color 20.9037, 29.7070, 15.9415.



This preview shows how white text looks on a background with the XYZ color 20.9037, 29.7070,

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

20.9037, 29.7070, 15.9415

Protanopia

27.1762, 29.5122, 14.1616

Deuteranopia

29.8276, 29.2392, 16.6420



Tritanopia

25.9097, 29.7159, 40.4466

Trichromacy



Original Color

20.9037, 29.7070, 15.9415

Protanomaly

24.3515, 29.2355, 14.7155

Deuteranomaly

25.6254, 28.8990, 16.2841

Tritanomaly

23.6747, 29.5477, 29.6548

Monochromacy



Original Color

20.9037, 29.7070, 15.9415

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

22.6131, 26.7331, 22.7071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9037, 29.7070, 15.9415 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(105, 162, 97)` looks like.

```
.text, #text, p{  
    color:rgb(105, 162, 97)  
}
```

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(105, 162, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 162, 97) }
```

Border

The CSS property to change the border of an element to XYZ 20.9037, 29.7070, 15.9415 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(105, 162, 97) }
```


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

```
.border{ border-color:rgb(105, 162, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 162, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 162, 97); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 162, 97); box-shadow:4px 4px 4px 4px rgb(105, 162, 97) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9037, 29.7070, 15.9415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 162, 97) }
```

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

```
.background{ background-color: rgb(105,  
162, 97) }
```

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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