

Converting Colors

XYZ(20.9122, 29.5286, 12.3820)

Have a look what the booklet for
XYZ(20.9122, 29.5286, 12.3820)
contains.

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Color

**XYZ(20.9122, 29.5286,
12.3820)**

Conversions

Conversions Part 1

Format	Color
Hex	70A151
RGB	112, 161, 81
RGB Percent	44%, 63%, 32%
CMY	0.5608, 0.3686, 0.6823
CMYK	0.30, 0.00, 0.50, 0.37
HSL	97°, 33%, 47%
HSV	97°, 50%, 63%
XYZ	20.9122, 29.5286, 12.3820
YIQ	137.2290, -3.5240, -35.2680

Conversions

Conversions Part 2

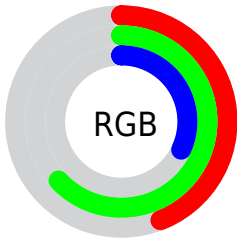
Format	Color
R_{YB}	81, 161, 130
Decimal	7381329
CIE _{Lab}	61.25, -31.10, 36.29
CIE _{LCh}	61, 47.792, 130.604
Yxy	29.5286, 0.3329, 0.4700
Android (android.graphics.Color)	4285571409 (0xFF70A151)
YUV	137.2290, -27.7209, -22.1258
Hunter-Lab	54.3402, -26.4018, 24.5283

Details

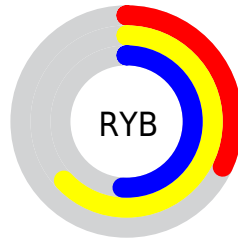
The XYZ color **20.9122, 29.5286, 12.3820** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **18.5827, 13.2048, 35.2892**, and the grayscale version is **23.9679, 25.2160, 27.4603**.

A 20% lighter version of the original color is **44.4466, 58.8847, 30.8531**, and **7.5928, 12.0022, 3.2830** is the 20% darker color. If you saturate the color by 10%, you get **19.1920, 28.7044, 9.5151**, and if you desaturate by 10%, it is **22.9145, 30.4835, 16.0106**.

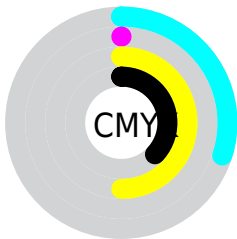
Distribution



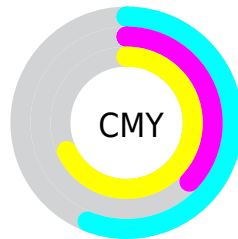
- Red (44%)
- Green (63%)
- Blue (32%)



- Red (32%)
- Yellow (63%)
- Blue (51%)



- Cyan (30%)
- Magenta (0%)
- Yellow (50%)
- Black (37%)



- Cyan (56%)
- Magenta (37%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9122, 29.5286, 12.3820 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 20.9122, 29.5286, 12.3820 by changing the saturation by 10% instead.

■ 20.9122, 29.5286,
12.3820

■ 20.9122, 29.5286,
12.3820

249.5521,
299.7009, 217.9850

■ 13.1719, 19.4811,
6.8787

■ 44.4337, 58.9159,
30.8637

■ 7.6249, 12.0184,
3.3091

■ 60.9457, 79.0244,
44.6792

■ 3.9056, 6.7562,
1.2545

■ 81.1123, 103.2554,
62.1025

■ 1.6489, 3.3101,
0.0241

■ 105.2989,
131.9932, 83.5521

■ 0.4240, 1.2957,
0.0000

■ 133.8708,
165.6223, 109.4466

■ 0.0000, 0.1379,
0.0000

167.1934,

■ 0.0000, 0.0000,

204.5270, 140.2046

0.0000

205.6320,
249.0918, 176.2445

■ 20.9122, 29.5286,
12.3820

■ 20.9122, 29.5286,
12.3820

■ 19.1920, 28.7044,
9.5151

■ 22.9145, 30.4835,
16.0106

■ 17.7370, 28.0006,
7.3537

■ 25.2102, 31.5712,
20.4479

■ 16.5317, 27.4116,
5.8367


■ 27.8126, 32.7983,
25.7396


■ 15.5574, 26.9293,
4.8920


■ 30.7334, 34.1701,
31.9272

■ 14.7784, 26.5387,
4.3579


■ 33.9836, 35.6914,
39.0497

 14.7563, 26.5276,
4.3426

 37.5738, 37.3667,
47.1437

 41.5140, 39.2007,
56.2438

 45.8138, 41.1973,
66.3828

 50.4824, 43.3608,
77.5923

Harmonies

Analogous

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



25.9003, 29.5286, 8.7191



20.9122, 29.5286, 12.3820



18.1399, 29.5286, 21.9722

Triad

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



20.9122, 29.5286, 12.3820



24.2406, 29.5286, 77.0981



41.7004, 29.5286, 26.1936

Complementary

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



20.9122, 29.5286, 12.3820



18.5827, 13.2048, 35.2892

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.



41.0791, 29.5286, 45.0709



20.9122, 29.5286, 12.3820



30.3493, 29.5286, 79.5849

Square

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



20.9122, 29.5286, 12.3820



19.8538, 29.5286, 60.3494



36.6895, 29.5286, 66.2408



38.2783, 29.5286, 14.4762

Rectangle

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



20.9122, 29.5286, 12.3820



17.6325, 29.5286, 32.5178



36.6895, 29.5286, 66.2408



41.9689, 29.5286, 31.7882

Sweetspot

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



20.9129, 29.5299, 12.3826



52.0415, 59.7865, 50.7772



24.0346, 23.8729, 11.1262



11.1913, 13.0076, 10.6683



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.9129, 29.5299, 12.3826



33.9663, 51.2103, 16.4081



17.9423, 27.9617, 13.9032



7.2330, 8.0226, 7.5474



11.8277, 21.2079, 3.4701



0.3005, 0.4724, 0.0753

Inverse Universe

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



18.5827, 13.2048, 35.2892



29.2584, 18.4173, 62.3993



23.3913, 15.7627, 31.9481



7.0973, 7.0645, 8.8926



9.2607, 4.1805, 27.2486



0.2451, 0.1139, 0.5749

Previews

White Background



This preview shows how the XYZ color 20.9122, 29.5286, 12.3820 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 20.9122, 29.5286, 12.3820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

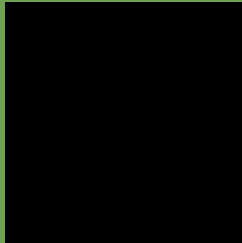
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.9122, 29.5286, 12.3820

Background



This preview shows how black text looks on a background with the XYZ color 20.9122, 29.5286, 12.3820.



This preview shows how white text looks on a background with the XYZ color 20.9122, 29.5286,

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

20.9122, 29.5286, 12.3820

Protanopia

26.6385, 29.0706, 11.0447

Deuteranopia

29.7950, 29.3053, 12.8902



Tritanopia

26.3865, 29.4968, 39.4247

Trichromacy



Original Color

20.9122, 29.5286, 12.3820

Protanomaly

24.1050, 28.9358, 11.5224

Deuteranomaly

25.7077, 28.7885, 12.5893

Tritanomaly

23.7701, 29.1570, 26.9293

Monochromacy



Original Color

20.9122, 29.5286, 12.3820

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

22.3919, 26.4313, 20.7512

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9122, 29.5286, 12.3820 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(112, 161, 81)` looks like.

```
.text, #text, p{  
    color:rgb(112, 161, 81)  
}
```

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(112, 161, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 161, 81) }
```

Border

The CSS property to change the border of an element to XYZ 20.9122, 29.5286, 12.3820 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(112, 161, 81) }
```


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

```
.border{ border-color:rgb(112, 161, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 161, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 161, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 161, 81);  
box-shadow:4px 4px 4px 4px rgb(112, 161,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9122, 29.5286, 12.3820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 161, 81) }
```

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

```
.background{ background-color: rgb(112,  
161, 81) }
```

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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