

Converting Colors

XYZ(20.1251, 30.7311, 12.0813)

Have a look what the booklet for
XYZ(20.1251, 30.7311, 12.0813)
contains.

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Color

**XYZ(20.1236, 30.7289,
12.0784)**

Conversions

Conversions Part 1

Format	Color
Hex	61A74E
RGB	97, 167, 78
RGB Percent	38%, 65%, 31%
CMY	0.6196, 0.3451, 0.6941
CMYK	0.42, 0.00, 0.53, 0.35
HSL	107°, 36%, 48%
HSV	107°, 53%, 65%
XYZ	20.1236, 30.7289, 12.0784
YIQ	135.9240, -13.1510, -42.5190

Conversions

Conversions Part 2

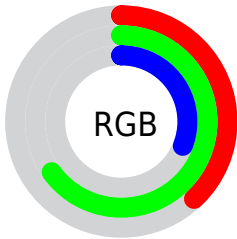
Format	Color
RYB	78, 167, 148
Decimal	6399822
CIELab	62.28, -39.40, 38.86
CIElCh	62, 55.342, 135.391
Yxy	30.7289, 0.3198, 0.4883
Android (android.graphics.Color)	4284589902 (0xFF61A74E)
YUV	135.9240, -28.5565, -34.1363
Hunter-Lab	55.4337, -32.2096, 25.8849

Details

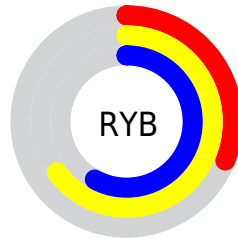
The XYZ color **20.1236, 30.7289, 12.0784** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **21.9139, 14.5358, 38.2116**, and the grayscale version is **23.4810, 24.7038, 26.9025**.

A 20% lighter version of the original color is **43.1126, 60.9396, 30.2591**, and **7.1818, 12.6107, 3.1542** is the 20% darker color. If you saturate the color by 10%, you get **18.3138, 29.8575, 9.2555**, and if you desaturate by 10%, it is **22.3187, 31.7833, 15.7143**.

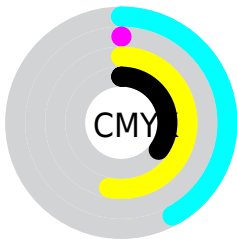
Distribution



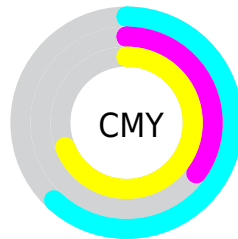
- Red (38%)
- Green (65%)
- Blue (31%)



- Red (31%)
- Yellow (65%)
- Blue (58%)



- Cyan (42%)
- Magenta (0%)
- Yellow (53%)
- Black (35%)



- Cyan (62%)
- Magenta (35%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1236, 30.7289, 12.0784 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 20.1236, 30.7289, 12.0784 by changing the saturation by 10% instead.

■ 20.1236, 30.7289,
12.0784

■ 20.1236, 30.7289,
12.0784

245.4043,
305.2874, 215.9199

■ 12.5937, 20.3925,
6.6739

■ 43.1267, 60.8130,
30.3043

■ 7.2244, 12.6807,
3.1837

■ 59.3306, 81.3295,
43.9629

■ 3.6504, 7.2090,
1.1892

■ 79.1565, 106.0081,
61.2098

■ 1.5063, 3.5932,
0.0000

■ 102.9698,
135.2333, 82.4638

■ 0.3301, 1.4487,
0.0000

■ 131.1359,
169.3894, 108.1432

■ 0.0000, 0.2522,
0.0000

164.0201,

■ 0.0000, 0.0000,

208.8609, 138.6667

0.0000

201.9878,
254.0321, 174.4527

■ 20.1236, 30.7289,
12.0784

■ 20.1236, 30.7289,
12.0784

■ 18.3138, 29.8575,
9.2555

■ 22.3187, 31.7833,
15.7143

■ 16.8640, 29.1545,
7.1812

■ 24.9181, 33.0263,
20.2170

■ 15.7491, 28.6095,
5.7846

■ 27.9420, 34.4684,
25.6382

■ 14.9394, 28.2090,
4.9803

■ 31.4087, 36.1177,
32.0249

■ 14.5347, 28.0075,
4.6399

■ 35.3354, 37.9824,
39.4209

■ 39.7383, 40.0697,
47.8671

■ 44.6327, 42.3869,
57.4026

■ 50.0335, 44.9408,
68.0641

■ 55.9547, 47.7377,
79.8867

Harmonies

Analogous

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



25.5561, 30.7289, 7.3964



20.1236, 30.7289, 12.0784



17.3903, 30.7289, 24.1141

Triad

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



20.1236, 30.7289, 12.0784



25.7300, 30.7289, 91.1820



45.3700, 30.7289, 23.6801

Complementary

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



20.1236, 30.7289, 12.0784



21.9139, 14.5358, 38.2116

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.



45.4381, 30.7289, 44.9503



20.1236, 30.7289, 12.0784



33.1898, 30.7289, 90.8983

Square

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



20.1236, 30.7289, 12.0784



20.2321, 30.7289, 72.1475



40.6797, 30.7289, 71.4859



40.5068, 30.7289, 11.8779

Rectangle

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



20.1236, 30.7289, 12.0784



17.1080, 30.7289, 37.4767



40.6797, 30.7289, 71.4859



45.9787, 30.7289, 29.7383

Sweetspot

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



20.1243, 30.7302, 12.0791



54.3028, 63.7565, 53.7381



27.8584, 29.8581, 11.5031



11.8746, 14.1356, 11.5134



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.1243, 30.7302, 12.0791



32.2653, 53.2130, 15.7839



19.4207, 30.2422, 17.7036



7.5809, 8.4821, 8.0269



11.1566, 21.4487, 3.5520



0.3118, 0.5426, 0.0883

Inverse Universe

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



21.9139, 14.5358, 38.2116



35.7463, 21.0323, 67.6509



23.5282, 15.6116, 27.2805



7.6829, 7.5846, 9.4774



12.5839, 5.8707, 28.4454



0.3443, 0.1625, 0.6939

Previews

White Background



This preview shows how the XYZ color 20.1236, 30.7289, 12.0784 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 20.1236, 30.7289, 12.0784 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 ✓ Pass

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

XYZ 20.1236, 30.7289, 12.0784

Background



This preview shows how black text looks on a background with the XYZ color 20.1236, 30.7289, 12.0784.



This preview shows how white text looks on a background with the XYZ color 20.1236, 30.7289,

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

20.1236, 30.7289, 12.0784

Protanopia

27.8019, 30.3876, 10.5310

Deuteranopia

30.9511, 30.3523, 12.6148



Tritanopia

26.2521, 30.5936, 42.5517

Trichromacy



Original Color

20.1236, 30.7289, 12.0784

Protanomaly

24.1090, 29.9341, 10.9857

Deuteranomaly

25.7001, 29.7411, 12.3687

Tritanomaly

23.4446, 30.4840, 28.3153

Monochromacy



Original Color

20.1236, 30.7289, 12.0784

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

21.5543, 26.2428, 20.1490

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1236, 30.7289, 12.0784 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(97, 167, 78)` looks like.

```
.text, #text, p{  
    color:rgb(97, 167, 78)  
}
```

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(97, 167, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 167, 78) }
```

Border

The CSS property to change the border of an element to XYZ 20.1236, 30.7289, 12.0784 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(97, 167, 78) }
```


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

```
.border{ border-color:rgb(97, 167, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 167, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 167, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 167, 78);  
box-shadow:4px 4px 4px 4px rgb(97, 167,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1236, 30.7289, 12.0784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 167, 78) }
```

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

```
.background{ background-color: rgb(97, 167,  
78) }
```

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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