

Converting Colors

XYZ(20.1273, 30.4384, 12.9980)

Have a look what the booklet for
XYZ(20.1273, 30.4384, 12.9980)
contains.

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Color

**XYZ(20.1273, 30.4384,
12.9980)**

Conversions

Conversions Part 1

Format	Color
Hex	61A653
RGB	97, 166, 83
RGB Percent	38%, 65%, 33%
CMY	0.6196, 0.3490, 0.6745
CMYK	0.42, 0.00, 0.50, 0.35
HSL	110°, 33%, 49%
HSV	110°, 50%, 65%
XYZ	20.1273, 30.4384, 12.9980
YIQ	135.9070, -14.4810, -40.4410

Conversions

Conversions Part 2

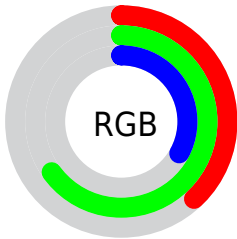
Format	Color
RYB	83, 166, 152
Decimal	6399571
CIELab	62.03, -38.31, 36.06
CIElCh	62, 52.614, 136.737
Yxy	30.4384, 0.3166, 0.4789
Android (android.graphics.Color)	4284589651 (0xFF61A653)
YUV	135.9070, -26.0832, -34.1214
Hunter-Lab	55.1710, -31.4295, 24.6513

Details

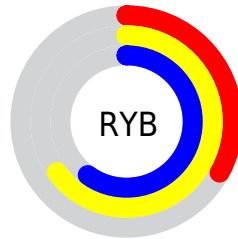
The XYZ color **20.1273, 30.4384, 12.9980** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **22.9267, 15.6162, 37.8840**, and the grayscale version is **23.4660, 24.6881, 26.8853**.

A 20% lighter version of the original color is **43.1869, 60.5431, 31.9641**, and **7.1901, 12.4393, 3.5354** is the 20% darker color. If you saturate the color by 10%, you get **18.2170, 29.5199, 9.9544**, and if you desaturate by 10%, it is **22.4484, 31.5528, 16.8631**.

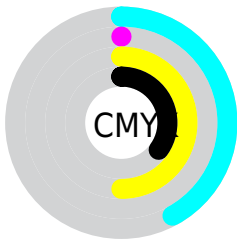
Distribution



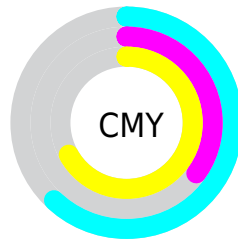
- Red (38%)
- Green (65%)
- Blue (33%)



- Red (33%)
- Yellow (65%)
- Blue (60%)



- Cyan (42%)
- Magenta (0%)
- Yellow (50%)
- Black (35%)



- Cyan (62%)
- Magenta (35%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1273, 30.4384, 12.9980 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 20.1273, 30.4384, 12.9980 by changing the saturation by 10% instead.

■ 20.1273, 30.4384,
12.9980

■ 20.1273, 30.4384,
12.9980

245.4239,
303.9426, 222.1122

■ 12.5964, 20.1716,
7.2965

■ 43.1328, 60.3548,
31.9913

■ 7.2263, 12.5198,
3.5669

■ 59.3382, 80.7732,
46.1202

■ 3.6516, 7.0987,
1.3909

■ 79.1657, 105.3442,
63.8952

■ 1.5070, 3.5239,
0.1346

■ 102.9808,
134.4522, 85.7350

■ 0.3306, 1.4110,
0.0000

■ 131.1488,
168.4817, 112.0581

■ 0.0000, 0.2248,
0.0000

164.0351,

■ 0.0000, 0.0000,

207.8170, 143.2829

0.0000

202.0050,
252.8425, 179.8281

■ 20.1273, 30.4384,
12.9980

■ 20.1273, 30.4384,
12.9980

■ 18.2170, 29.5199,
9.9544

■ 22.4484, 31.5528,
16.8631

■ 16.6909, 28.7821,
7.6710

■ 25.2005, 32.8695,
21.6012

■ 15.5227, 28.2139,
6.0814


■ 28.4049, 34.3994,
27.2618


■ 14.6815, 27.8009,
5.1064


■ 32.0810, 36.1516,
33.8902


■ 14.1156, 27.5206,
4.5680


■ 36.2469, 38.1345,
41.5286

 14.1156, 27.5206,
4.5680

 40.9200, 40.3561,
50.2170

 46.1165, 42.8240,
59.9929

 51.8522, 45.5456,
70.8920

 58.1420, 48.5277,
82.9487

Harmonies

Analogous

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



25.1943, 30.4384, 8.1105



20.1273, 30.4384, 12.9980



17.6259, 30.4384, 24.9982

Triad

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



20.1273, 30.4384, 12.9980



25.9265, 30.4384, 87.2225



43.9775, 30.4384, 23.1582

Complementary

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



20.1273, 30.4384, 12.9980



22.9267, 15.6162, 37.8840

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.



44.2598, 30.4384, 42.8870



20.1273, 30.4384, 12.9980



33.0195, 30.4384, 86.0644

Square

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



20.1273, 30.4384, 12.9980



20.5878, 30.4384, 70.2874



39.9868, 30.4384, 67.5712



39.2689, 30.4384, 12.1251

Rectangle

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



20.1273, 30.4384, 12.9980



17.4337, 30.4384, 37.9164



39.9868, 30.4384, 67.5712



44.6171, 30.4384, 28.7866

Sweetspot

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



20.1280, 30.4397, 12.9987



54.5906, 63.8788, 54.9306



28.3204, 30.7966, 12.6358



11.9187, 14.1530, 11.7571



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.



20.1280, 30.4397, 12.9987



32.7180, 53.4081, 17.5371



19.9801, 30.2231, 19.3295



7.5503, 8.4663, 8.0255



10.9737, 21.3544, 3.5434



0.3003, 0.5367, 0.0878

Inverse Universe

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



22.9267, 15.6162, 37.8840



38.3345, 23.3425, 67.9604



23.5331, 16.1794, 26.5854



7.7159, 7.6017, 9.4789



13.4997, 6.3428, 28.4883



0.3603, 0.1707, 0.6946

Previews

White Background



This preview shows how the XYZ color 20.1273, 30.4384, 12.9980 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 20.1273, 30.4384, 12.9980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

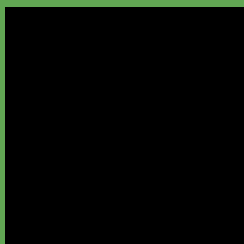
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.1273, 30.4384, 12.9980

Background



This preview shows how black text looks on a background with the XYZ color 20.1273, 30.4384, 12.9980.



This preview shows how white text looks on a background with the XYZ color 20.1273, 30.4384,

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

20.1273, 30.4384, 12.9980

Protanopia

27.6041, 30.0300, 11.3627

Deuteranopia

30.5322, 29.8910, 13.6115



Tritanopia

26.0285, 30.4892, 42.0493

Trichromacy



Original Color

20.1273, 30.4384, 12.9980

Protanomaly

23.9478, 29.5827, 11.8450

Deuteranomaly

25.3646, 29.3054, 13.3365

Tritanomaly

23.2217, 30.1024, 28.6312

Monochromacy



Original Color

20.1273, 30.4384, 12.9980

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

21.6706, 26.2894, 20.7618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1273, 30.4384, 12.9980 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, 166, 83)` looks like.

```
.text, #text, p{  
    color:rgb(97, 166, 83)  
}
```

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, 166, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 166, 83) }
```

Border

The CSS property to change the border of an element to XYZ 20.1273, 30.4384, 12.9980 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, 166, 83) }
```


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

```
.border{ border-color:rgb(97, 166, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 166, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 166, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 166, 83);  
box-shadow:4px 4px 4px 4px rgb(97, 166,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1273, 30.4384, 12.9980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 166, 83) }
```

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

```
.background{ background-color: rgb(97, 166,  
83) }
```

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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