

Converting Colors

XYZ(12.0743, 22.5998, 6.1675)

Have a look what the booklet for
XYZ(12.0743, 22.5998, 6.1675)
contains.

XYZ(12.0757, 22.5987, 6.2082)	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(12.0757, 22.5987,
6.2082)**

Conversions

Conversions Part 1

Format	Color
Hex	1E972D
RGB	30, 151, 45
RGB Percent	12%, 59%, 18%
CMY	0.8823, 0.4078, 0.8235
CMYK	0.80, 0.00, 0.70, 0.41
HSL	127°, 67%, 35%
HSV	127°, 80%, 59%
XYZ	12.0757, 22.5987, 6.2082
YIQ	102.7370, -38.0900, -58.6180

Conversions

Conversions Part 2

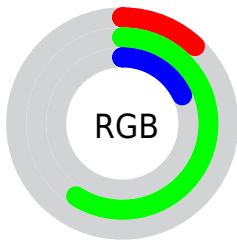
Format	Color
R_{YB}	30, 138, 151
Decimal	2004781
CIE _{Lab}	54.66, -53.20, 44.84
CIE _{LCh}	55, 69.575, 139.869
Yxy	22.5987, 0.2954, 0.5528
Android (android.graphics.Color)	4280194861 (0xFF1E972D)
YUV	102.7370, -28.4643, -63.7903
Hunter-Lab	47.5381, -37.8488, 25.5337

Details

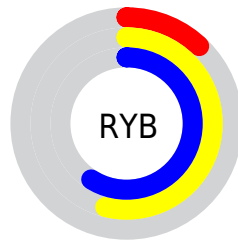
The XYZ color **12.0757, 22.5987, 6.2082** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **17.6712, 9.2857, 24.1535**, and the grayscale version is **12.9032, 13.5751, 14.7833**.

A 20% lighter version of the original color is **29.1124, 47.5285, 18.7059**, and **4.4618, 8.9237, 1.4873** is the 20% darker color. If you saturate the color by 10%, you get **11.5201, 22.3379, 5.0551**, and if you desaturate by 10%, it is **12.9233, 23.0022, 7.7927**.

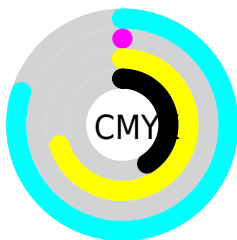
Distribution



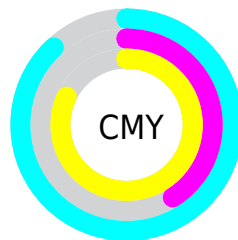
- Red (12%)
- Green (59%)
- Blue (18%)



- Red (12%)
- Yellow (54%)
- Blue (59%)



- Cyan (80%)
- Magenta (0%)
- Yellow (70%)
- Black (41%)





- Cyan (88%)
- Magenta (41%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0757, 22.5987, 6.2082 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 12.0757, 22.5987, 6.2082 by changing the saturation by 10% instead.


 12.0757, 22.5987,
6.2082


 12.0757, 22.5987,
6.2082


198.6655,
265.6571, 170.2853


 6.8678, 14.2975,
2.9013


 29.2486, 47.7335,
18.8466


 3.4252, 8.3279,
1.0444


 41.9443, 65.3360,
29.0152

 1.3824, 4.3054,
0.0000

 57.8666, 86.8076,
42.3080

 0.2436, 1.8458,
0.0000

 77.3809, 112.5327,
59.1436

 0.0000, 0.5155,
0.0000

 100.8527,
142.8959, 79.9406

 0.0000, 0.0000,
0.0000

 128.6471,

178.2814, 105.1176

161.1296,
219.0737, 135.0929

■ 12.0757, 22.5987,
6.2082

■ 12.0757, 22.5987,
6.2082

■ 11.5201, 22.3379,
5.0551

■ 12.9233, 23.0022,
7.7927

■ 11.1822, 22.1802,
4.2956

■ 14.0949, 23.5619,
9.8440

■ 15.6197, 24.2931,
12.3953

■ 17.5234, 25.2082,
15.4766

■ 19.8291, 26.3188,
19.1155

■ 22.5583, 27.6351,
23.3375

■ 25.7308, 29.1669,
28.1668

■ 29.3650, 30.9234,
33.6261

■ 33.4786, 32.9130,
39.7369

Harmonies

Analogous

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



16.8547, 22.5987, 2.4403



12.0757, 22.5987, 6.2082



10.0027, 22.5987, 17.9103

Triad

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



12.0757, 22.5987, 6.2082



18.9926, 22.5987, 93.8140



38.5115, 22.5987, 12.8789

Complementary

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



12.0757, 22.5987, 6.2082



17.6712, 9.2857, 24.1535

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.



39.4739, 22.5987, 32.7921



12.0757, 22.5987, 6.2082



26.8810, 22.5987, 89.3658

Square

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



12.0757, 22.5987, 6.2082



13.3197, 22.5987, 72.9639



34.8148, 22.5987, 63.0097



32.4332, 22.5987, 4.3989

Rectangle

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



12.0757, 22.5987, 6.2082



9.9957, 22.5987, 32.5623



34.8148, 22.5987, 63.0097



39.4914, 22.5987, 18.0646

Sweetspot

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



12.0762, 22.5996, 6.2087



38.1769, 48.4177, 38.3741



21.5992, 27.5366, 5.4051



8.3169, 10.8310, 8.1636



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



12.0762, 22.5996, 6.2087



20.1676, 39.7887, 7.9290



14.1328, 23.4222, 17.0382



6.1618, 6.9374, 6.7754



9.5189, 18.8710, 3.6872



0.1494, 0.2850, 0.0925

Inverse Universe

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



17.6712, 9.2857, 24.1535



30.4821, 14.9696, 40.8071



14.5453, 8.0354, 7.6922



6.4282, 6.3105, 7.6352



14.4238, 7.0238, 19.2887



0.2237, 0.1082, 0.3309

Previews

White Background



This preview shows how the XYZ color 12.0757, 22.5987, 6.2082 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 12.0757, 22.5987, 6.2082 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 12.0757, 22.5987, 6.2082

Background



This preview shows how black text looks on a background with the XYZ color 12.0757, 22.5987, 6.2082.



This preview shows how white text looks on a background with the XYZ color 12.0757, 22.5987,

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

12.0757, 22.5987, 6.2082

Protanopia

20.2029, 22.2227, 5.1441

Deuteranopia

22.4705, 22.0188, 6.6802



Tritanopia

17.5071, 22.5100, 33.1279

Trichromacy



Original Color

12.0757, 22.5987, 6.2082



Protanomaly

15.1976, 21.2801, 5.4043



Deuteranomaly

15.7951, 20.5248, 6.2612



Tritanomaly

14.6274, 22.2273, 19.1421

Monochromacy



Original Color

12.0757, 22.5987, 6.2082



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

11.2200, 15.5786, 10.3983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0757, 22.5987, 6.2082 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(30, 151, 45)` looks like.

```
.text, #text, p{  
    color:rgb(30, 151, 45)  
}
```

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(30, 151, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 151, 45) }
```

Border

The CSS property to change the border of an element to XYZ 12.0757, 22.5987, 6.2082 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(30, 151, 45) }
```


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

```
.border{ border-color:rgb(30, 151, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 151, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 151, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 151, 45);  
box-shadow:4px 4px 4px 4px rgb(30, 151,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0757, 22.5987, 6.2082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 151, 45) }
```

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

```
.background{ background-color: rgb(30, 151,  
45) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor