

Converting Colors

XYZ(12.2761, 22.3486, 7.0273)

Have a look what the booklet for
XYZ(12.2761, 22.3486, 7.0273)
contains.

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Color

**XYZ(12.3483, 22.4818,
7.0568)**

Conversions

Conversions Part 1

Format	Color
Hex	269635
RGB	38, 150, 53
RGB Percent	15%, 59%, 21%
CMY	0.8510, 0.4118, 0.7921
CMYK	0.75, 0.00, 0.65, 0.41
HSL	128°, 60%, 37%
HSV	128°, 75%, 59%
XYZ	12.3483, 22.4818, 7.0568
YIQ	105.4540, -35.6150, -53.9110

Conversions

Conversions Part 2

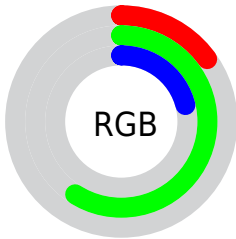
Format	Color
R_{YB}	38, 137, 150
Decimal	2528821
CIE Lab	54.53, -50.79, 41.27
CIE LCh	55, 65.448, 140.902
Yxy	22.4818, 0.2948, 0.5367
Android (android.graphics.Color)	4280718901 (0xFF269635)
YUV	105.4540, -25.8598, -59.1572
Hunter-Lab	47.4150, -36.4894, 24.3663

Details

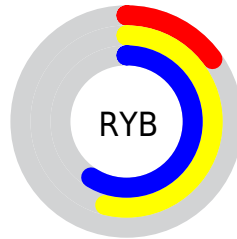
The XYZ color **12.3483, 22.4818, 7.0568** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **17.6446, 9.6199, 23.8488**, and the grayscale version is **13.6262, 14.3358, 15.6117**.

A 20% lighter version of the original color is **29.6968, 47.4288, 20.6862**, and **4.3677, 8.7354, 1.4559** is the 20% darker color. If you saturate the color by 10%, you get **11.6434, 22.1490, 5.6701**, and if you desaturate by 10%, it is **13.3583, 22.9638, 8.8818**.

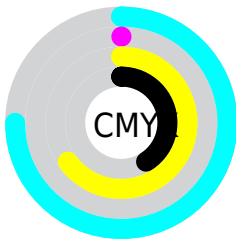
Distribution



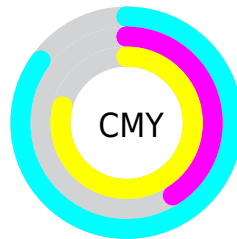
- Red (15%)
- Green (59%)
- Blue (21%)



- Red (15%)
- Yellow (54%)
- Blue (59%)



- Cyan (75%)
- Magenta (0%)
- Yellow (65%)
- Black (41%)





- Cyan (85%)
- Magenta (41%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3483, 22.4818, 7.0568 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 12.3483, 22.4818, 7.0568 by changing the saturation by 10% instead.

 12.3483, 22.4818,
7.0568

 12.3483, 22.4818,
7.0568

200.4209,
265.0521, 177.7836


 7.0552, 14.2113,
3.4187


 29.7393, 47.5410,
20.6022


 3.5433, 8.2678,
1.3122


 42.5679, 65.0986,
31.3465


 1.4472, 4.2668,
0.0717

 58.6391, 86.5206,
45.2967

 0.2895, 1.8239,
0.0000

 78.3182, 112.1916,
62.8712

 0.0000, 0.5020,
0.0000

 101.9705,
142.4958, 84.4886

 0.0000, 0.0000,
0.0000

 129.9615,

177.8177, 110.5675

162.6565,
218.5417, 141.5263

■ 12.3483, 22.4818,
7.0568

■ 12.3483, 22.4818,
7.0568

■ 11.6434, 22.1490,
5.6701

■ 13.3583, 22.9638,
8.8818

■ 11.2050, 21.9444,
4.6833

■ 14.7016, 23.6069,
11.1761

■ 11.0339, 21.8644,
4.3048

■ 16.4050, 24.4250,
13.9697

■ 18.4922, 25.4296,
17.2896

■ 20.9847, 26.6315,
21.1610

■ 23.9026, 28.0403,
25.6074

■ 27.2646, 29.6653,
30.6508

■ 31.0880, 31.5150,
36.3123

■ 35.3896, 33.5976,
42.6118

Harmonies

Analogous

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



16.8134, 22.4818, 3.0095



12.3483, 22.4818, 7.0568



10.4333, 22.4818, 18.7461

Triad

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



12.3483, 22.4818, 7.0568



19.2596, 22.4818, 87.9138



37.0263, 22.4818, 12.9129

Complementary

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



12.3483, 22.4818, 7.0568



17.6446, 9.6199, 23.8488

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.



38.0960, 22.4818, 31.2753



12.3483, 22.4818, 7.0568



26.6793, 22.4818, 83.0724

Square

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



12.3483, 22.4818, 7.0568



13.7934, 22.4818, 69.7434



33.9666, 22.4818, 58.8195



31.3061, 22.4818, 4.8343

Rectangle

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



12.3483, 22.4818, 7.0568



10.4801, 22.4818, 32.7399



33.9666, 22.4818, 58.8195



37.9852, 22.4818, 17.7394

Sweetspot

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



12.3488, 22.4827, 7.0573



38.1154, 47.5197, 39.0056



21.2595, 27.1102, 5.9461



8.1888, 10.4065, 8.2481



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



12.3488, 22.4827, 7.0573



19.9547, 38.8094, 8.7001



14.4630, 23.3284, 18.1904



5.7594, 6.4803, 6.3437



9.1583, 18.1361, 3.6094



0.1182, 0.2244, 0.0763

Inverse Universe

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



17.6446, 9.6199, 23.8488



29.7334, 14.8405, 39.5449



14.6851, 8.4361, 8.2646



6.0022, 5.8960, 7.1180



13.7768, 6.7158, 18.1036



0.1761, 0.0852, 0.2608

Previews

White Background



This preview shows how the XYZ color 12.3483, 22.4818, 7.0568 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 12.3483, 22.4818, 7.0568 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 12.3483, 22.4818, 7.0568

Background



This preview shows how black text looks on a background with the XYZ color 12.3483, 22.4818, 7.0568.



This preview shows how white text looks on a background with the XYZ color 12.3483, 22.4818,

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

12.3483, 22.4818, 7.0568

Protanopia

20.1728, 22.1902, 5.9092

Deuteranopia

22.4225, 21.9764, 7.4750



Tritanopia

17.5714, 22.3253, 33.0889

Trichromacy



Original Color

12.3483, 22.4818, 7.0568



Protanomaly

15.4439, 21.1772, 6.1794



Deuteranomaly

16.3537, 20.7935, 7.1546



Tritanomaly

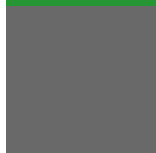
14.8706, 22.1070, 20.0063

Monochromacy



Original Color

12.3483, 22.4818, 7.0568



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

11.9104, 16.0960, 11.2832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3483, 22.4818, 7.0568 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(38, 150, 53)` looks like.

```
.text, #text, p{  
    color:rgb(38, 150, 53)  
}
```

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(38, 150, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 150, 53) }
```

Border

The CSS property to change the border of an element to XYZ 12.3483, 22.4818, 7.0568 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(38, 150, 53) }
```


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

```
.border{ border-color:rgb(38, 150, 53) }
```

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

Here you see how a box with a 4 pixel rgb(38, 150, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 150, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 150, 53);  
box-shadow:4px 4px 4px 4px rgb(38, 150,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3483, 22.4818, 7.0568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 150, 53) }
```

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

```
.background{ background-color: rgb(38, 150,  
53) }
```

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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