

Converting Colors

XYZ(18.5721, 28.1320, 12.1829)

Have a look what the booklet for
XYZ(18.5721, 28.1320, 12.1829)
contains.

XYZ(18.5702, 28.0628, 12.2225)	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(18.5702, 28.0628,
12.2225)**

Conversions

Conversions Part 1

Format	Color
Hex	5DA051
RGB	93, 160, 81
RGB Percent	36%, 63%, 32%
CMY	0.6353, 0.3725, 0.6823
CMYK	0.42, 0.00, 0.49, 0.37
HSL	111°, 33%, 47%
HSV	111°, 49%, 63%
XYZ	18.5702, 28.0628, 12.2225
YIQ	130.9610, -14.5730, -38.7730

Conversions

Conversions Part 2

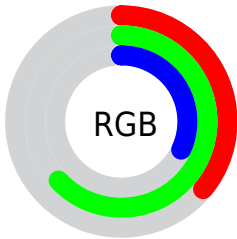
Format	Color
R_{YB}	81, 160, 148
Decimal	6135889
CIE _{Lab}	59.95, -37.22, 34.46
CIE _{LCh}	60, 50.723, 137.202
Yxy	28.0628, 0.3155, 0.4768
Android (android.graphics.Color)	4284325969 (0xFF5DA051)
YUV	130.9610, -24.6308, -33.2918
Hunter-Lab	52.9743, -30.1317, 23.4024

Details

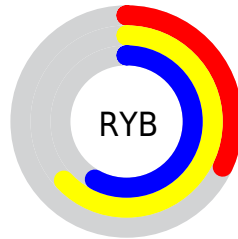
The XYZ color **18.5702, 28.0628, 12.2225** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **21.5016, 14.7197, 34.9671**, and the grayscale version is **21.6490, 22.7764, 24.8035**.

A 20% lighter version of the original color is **40.4979, 56.4699, 30.5951**, and **6.4738, 11.2663, 3.2722** is the 20% darker color. If you saturate the color by 10%, you get **16.7859, 27.2051, 9.3677**, and if you desaturate by 10%, it is **20.7411, 29.1051, 15.8346**.

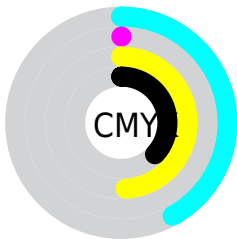
Distribution



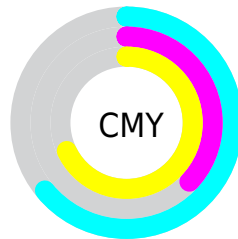
- Red (36%)
- Green (63%)
- Blue (32%)



- Red (32%)
- Yellow (63%)
- Blue (58%)



- Cyan (42%)
- Magenta (0%)
- Yellow (49%)
- Black (37%)



- Cyan (64%)
- Magenta (37%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5702, 28.0628, 12.2225 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 18.5702, 28.0628, 12.2225 by changing the saturation by 10% instead.

■ 18.5702, 28.0628,
12.2225

■ 18.5702, 28.0628,
12.2225

237.0496,
292.7669, 216.9027

■ 11.4623, 18.3730,
6.7710

■ 40.5291, 56.5847,
30.5701

■ 6.4483, 11.2181,
3.2430

■ 56.1108, 76.1856,
44.3034

■ 3.1627, 6.2137,
1.2200

■ 75.2477, 99.8589,
61.6343

■ 1.2404, 2.9755,
0.0000

■ 98.3054, 127.9892,
82.9814

■ 0.1379, 1.1189,
0.0000

■ 125.6490,
160.9607, 108.7632

■ 0.0000, 0.0000,
0.0000

157.6440,

199.1579, 139.3984

194.6558,
242.9652, 175.3054

■ 18.5702, 28.0628,
12.2225

■ 18.5702, 28.0628,
12.2225

■ 16.7859, 27.2051,
9.3677

■ 20.7411, 29.1051,
15.8346

■ 15.3631, 26.5179,
7.2146

■ 23.3175, 30.3382,
20.2505

■ 14.2770, 25.9903,
5.7031


■ 26.3196, 31.7724,
25.5155

■ 13.4987, 25.6090,
4.7619


■ 29.7656, 33.4162,
31.6706

■ 12.9814, 25.3535,
4.2383


■ 33.6728, 35.2777,
38.7545

 12.9552, 25.3406,
4.2084

 38.0573, 37.3644,
46.8033

 42.9346, 39.6835,
55.8514

 48.3195, 42.2420,
65.9315

 54.2260, 45.0464,
77.0746

Harmonies

Analogous

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



23.1714, 28.0628, 7.6386



18.5702, 28.0628, 12.2225



16.3168, 28.0628, 23.3456

Triad

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



18.5702, 28.0628, 12.2225



24.0196, 28.0628, 79.9111



40.3568, 28.0628, 21.2109

Complementary

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



18.5702, 28.0628, 12.2225



21.5016, 14.7197, 34.9671

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.



40.6828, 28.0628, 39.1155



18.5702, 28.0628, 12.2225



30.5104, 28.0628, 78.5777

Square

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



18.5702, 28.0628, 12.2225



19.1046, 28.0628, 64.7189



36.8443, 28.0628, 61.5879



36.0148, 28.0628, 11.2044

Rectangle

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



18.5702, 28.0628, 12.2225



16.1659, 28.0628, 35.2274



36.8443, 28.0628, 61.5879



40.9619, 28.0628, 26.3163

Sweetspot

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



18.5709, 28.0640, 12.2231



50.2437, 58.8596, 50.6930



26.3914, 28.8846, 11.9693



10.7553, 12.7829, 10.6479



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.



18.5709, 28.0640, 12.2231



30.2573, 49.2887, 16.6663



18.6364, 27.9607, 18.4175



6.6399, 7.4470, 7.0731



10.1165, 19.7520, 3.2793



0.2042, 0.3652, 0.0597

Inverse Universe

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



21.5016, 14.7197, 34.9671



36.1534, 22.2151, 62.7690



21.7205, 15.0711, 24.1978



6.8051, 6.7035, 8.3419



12.8437, 6.0502, 26.3981



0.2540, 0.1207, 0.4731

Previews

White Background



This preview shows how the XYZ color 18.5702, 28.0628, 12.2225 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 18.5702, 28.0628, 12.2225 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 18.5702, 28.0628, 12.2225

Background



This preview shows how black text looks on a background with the XYZ color 18.5702, 28.0628, 12.2225.



This preview shows how white text looks on a background with the XYZ color 18.5702, 28.0628,

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

18.5702, 28.0628, 12.2225

Protanopia

25.3438, 27.7236, 10.6720

Deuteranopia

28.1215, 27.5781, 12.8578



Tritanopia

23.8618, 27.9657, 38.7906

Trichromacy



Original Color

18.5702, 28.0628, 12.2225

Protanomaly

22.0774, 27.4168, 11.1496

Deuteranomaly

23.4421, 26.9264, 12.5561

Tritanomaly

21.3828, 27.6882, 26.4077

Monochromacy



Original Color

18.5702, 28.0628, 12.2225

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

19.9898, 24.3202, 19.2635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5702, 28.0628, 12.2225 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(93, 160, 81)` looks like.

```
.text, #text, p{  
    color:rgb(93, 160, 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(93, 160, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 160, 81) }
```

Border

The CSS property to change the border of an element to XYZ 18.5702, 28.0628, 12.2225 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(93, 160, 81) }
```


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

```
.border{ border-color:rgb(93, 160, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 160, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 160, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 160, 81);  
box-shadow:4px 4px 4px 4px rgb(93, 160,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5702, 28.0628, 12.2225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 160, 81) }
```

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

```
.background{ background-color: rgb(93, 160,  
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](#).

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