

Converting Colors

XYZ(12.3042, 16.2617, 6.9208)

Have a look what the booklet for
XYZ(12.3042, 16.2617, 6.9208)
contains.

XYZ(12.2781, 16.2028, 6.8952)	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(12.2781, 16.2028,
6.8952)**

Conversions

Conversions Part 1

Format	Color
Hex	5F783D
RGB	95, 120, 61
RGB Percent	37%, 47%, 24%
CMY	0.6275, 0.5294, 0.7608
CMYK	0.21, 0.00, 0.49, 0.53
HSL	85°, 33%, 35%
HSV	85°, 49%, 47%
XYZ	12.2781, 16.2028, 6.8952
YIQ	105.7990, 4.0390, -23.6490

Conversions

Conversions Part 2

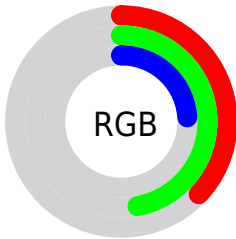
Format	Color
RYB	61, 120, 86
Decimal	6256701
CIELab	47.24, -19.83, 29.32
CIELCh	47, 35.391, 124.074
Yxy	16.2028, 0.3471, 0.4580
Android (android.graphics.Color)	4284446781 (0xFF5F783D)
YUV	105.7990, -22.0859, -9.4707
Hunter-Lab	40.2527, -15.9952, 18.0206

Details

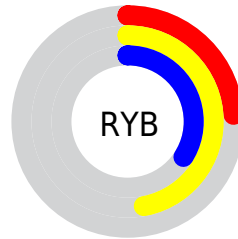
The XYZ color **12.2781, 16.2028, 6.8952** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.8974, 6.6725, 18.5892**, and the grayscale version is **13.7027, 14.4163, 15.6993**.

A 20% lighter version of the original color is **29.5996, 36.8339, 20.3014**, and **3.5118, 5.1453, 1.2600** is the 20% darker color. If you saturate the color by 10%, you get **11.4794, 15.8248, 5.3553**, and if you desaturate by 10%, it is **13.1845, 16.6289, 8.8185**.

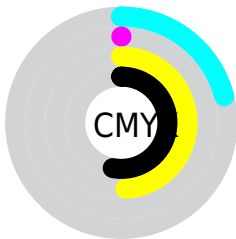
Distribution



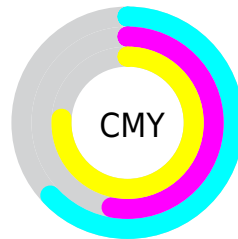
- Red (37%)
- Green (47%)
- Blue (24%)



- Red (24%)
- Yellow (47%)
- Blue (34%)



- Cyan (21%)
- Magenta (0%)
- Yellow (49%)
- Black (53%)



- Cyan (63%)
- Magenta (53%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2781, 16.2028, 6.8952 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 12.2781, 16.2028, 6.8952 by changing the saturation by 10% instead.

■ 12.2781, 16.2028,
6.8952

■ 12.2781, 16.2028,
6.8952

199.9703,
230.5354, 176.3878

■ 7.0069, 9.6678,
3.3192

■ 29.6131, 36.9499,
20.2713

■ 3.5128, 5.1792,
1.2598

■ 42.4076, 51.9308,
30.9085

■ 1.4304, 2.3528,
0.0285

■ 58.4406, 70.4958,
44.7366

■ 0.2777, 0.8015,
0.0000

■ 78.0774, 93.0292,
62.1739

■ 0.0000, 0.0000,
0.0000

■ 101.6835,
119.9155, 83.6392

■ 129.6241,

151.5390, 109.5509

162.2646,
188.2842, 140.3276

■ 12.2781, 16.2028,
6.8952

■ 12.2781, 16.2028,
6.8952

■ 11.4794, 15.8248,
5.3553

■ 13.1845, 16.6289,
8.8185

■ 10.7816, 15.4906,
4.1721

■ 14.2024, 17.1032,
11.1475

■ 10.1790, 15.1982,
3.3168

■ 15.3369, 17.6282,
13.9041

■ 9.6645, 14.9449,
2.7561

■ 16.5925, 18.2059,
17.1084

■ 9.2174, 14.7221,
2.3846

■ 17.9733, 18.8379,
20.7789

■ 9.1817, 14.7044,
2.3543

■ 19.4831, 19.5259,
24.9335

■ 21.1258, 20.2714,
29.5889

■ 22.9049, 21.0759,
34.7609

■ 24.8238, 21.9409,
40.4649

Harmonies

Analogous

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



14.9781, 16.2028, 5.4555



12.2781, 16.2028, 6.8952



10.6109, 16.2028, 11.1466

Triad

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



12.2781, 16.2028, 6.8952



12.9237, 16.2028, 38.0415



22.1920, 16.2028, 16.4496

Complementary

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



12.2781, 16.2028, 6.8952



8.8974, 6.6725, 18.5892

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.



21.4495, 16.2028, 26.2695



12.2781, 16.2028, 6.8952



15.8303, 16.2028, 40.9248

Square

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



12.2781, 16.2028, 6.8952



10.9468, 16.2028, 29.1233



19.0114, 16.2028, 36.0408



20.9225, 16.2028, 9.6615

Rectangle

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



12.2781, 16.2028, 6.8952



10.1712, 16.2028, 15.9271



19.0114, 16.2028, 36.0408



22.1704, 16.2028, 19.4760

Sweetspot

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



12.2785, 16.2035, 6.8955



27.7870, 31.3782, 26.5000



11.8833, 10.9198, 5.8965



6.4977, 7.3960, 6.0590



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.2785, 16.2035, 6.8955



20.0225, 27.7521, 9.1185



9.8005, 14.9260, 6.7796



4.1513, 4.5533, 4.2846



9.9998, 16.0323, 2.5675



46.7118, 75.9662, 12.2010

Inverse Universe

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



8.8974, 6.6725, 18.5892



13.3388, 8.8905, 32.2661



12.1408, 8.3445, 18.7410



3.9437, 3.9688, 5.0014



5.1641, 2.2349, 19.5445



23.7032, 10.1815, 93.1857

Previews

White Background



This preview shows how the XYZ color 12.2781, 16.2028, 6.8952 looks on a white 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

Black Background



This preview shows how the XYZ color 12.2781, 16.2028, 6.8952 looks on a black 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

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

XYZ 12.2781, 16.2028, 6.8952

Background



This preview shows how black text looks on a background with the XYZ color 12.2781, 16.2028, 6.8952.



This preview shows how white text looks on a background with the XYZ color 12.2781, 16.2028,

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

12.2781, 16.2028, 6.8952

Protanopia

14.7263, 16.1048, 6.3354

Deuteranopia

16.3365, 16.1198, 7.1009



Tritanopia

15.0115, 16.0990, 20.7286

Trichromacy



Original Color

12.2781, 16.2028, 6.8952

Protanomaly

13.7302, 16.0879, 6.5193

Deuteranomaly

14.5765, 16.0122, 7.0250

Tritanomaly

13.8012, 16.1202, 14.4407

Monochromacy



Original Color

12.2781, 16.2028, 6.8952

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.0094, 14.9318, 11.8693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2781, 16.2028, 6.8952 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(95, 120, 61) looks like.

```
.text, #text, p{  
    color:rgb(95, 120, 61)  
}
```

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(95, 120, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 120, 61) }
```

Border

The CSS property to change the border of an element to XYZ 12.2781, 16.2028, 6.8952 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(95, 120, 61) }
```


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

```
.border{ border-color:rgb(95, 120, 61) }
```

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

Here you see how a box with a 4 pixel rgb(95, 120, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 120, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 120, 61);  
box-shadow:4px 4px 4px 4px rgb(95, 120,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2781, 16.2028, 6.8952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 120, 61) }
```

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

```
.background{ background-color: rgb(95, 120,  
61) }
```

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