

Converting Colors

XYZ(12.2977, 18.3438, 11.2607)

Have a look what the booklet for
XYZ(12.2977, 18.3438, 11.2607)
contains.

XYZ(12.3773, 18.4447, 11.2953)	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(12.3773, 18.4447,
11.2953)**

Conversions

Conversions Part 1

Format	Color
Hex	468454
RGB	70, 132, 84
RGB Percent	27%, 52%, 33%
CMY	0.7255, 0.4823, 0.6706
CMYK	0.47, 0.00, 0.36, 0.48
HSL	134°, 31%, 40%
HSV	134°, 47%, 52%
XYZ	12.3773, 18.4447, 11.2953
YIQ	107.9900, -21.5440, -28.0720

Conversions

Conversions Part 2

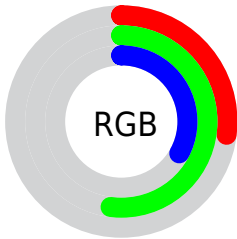
Format	Color
RYB	70, 121, 132
Decimal	4621396
CIELab	50.03, -31.18, 19.87
CIElCh	50, 36.976, 147.491
Yxy	18.4447, 0.2939, 0.4379
Android (android.graphics.Color)	4282811476 (0xFF468454)
YUV	107.9900, -11.8271, -33.3172
Hunter-Lab	42.9473, -23.7145, 14.4696

Details

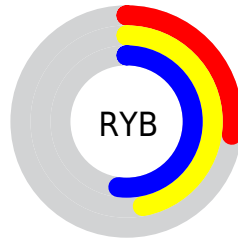
The XYZ color **12.3773, 18.4447, 11.2953** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.9765, 10.5943, 18.3959**, and the grayscale version is **14.2879, 15.0320, 16.3698**.

A 20% lighter version of the original color is **29.8880, 40.9766, 28.8883**, and **3.5641, 6.2761, 2.8573** is the 20% darker color. If you saturate the color by 10%, you get **11.1563, 17.8587, 9.2991**, and if you desaturate by 10%, it is **13.8670, 19.1635, 13.6098**.

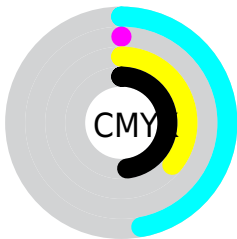
Distribution



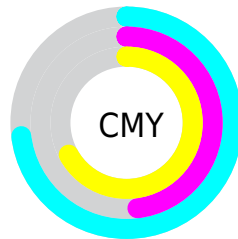
- Red (27%)
- Green (52%)
- Blue (33%)



- Red (27%)
- Yellow (47%)
- Blue (52%)



- Cyan (47%)
- Magenta (0%)
- Yellow (36%)
- Black (48%)





- Cyan (73%)
- Magenta (48%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3773, 18.4447, 11.2953 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 12.3773, 18.4447, 11.2953 by changing the saturation by 10% instead.


 12.3773, 18.4447,
11.2953


 12.3773, 18.4447,
11.2953

200.6067,
243.3658, 210.4921

 7.0752, 11.2697,
6.1492


 29.7914, 40.7936,
28.8499


 3.5559, 6.2486,
2.8657


 42.6341, 56.7364,
42.0954


 1.4541, 2.9968,
1.0265

 58.7210, 76.3705,
58.8779

 0.2943, 1.1301,
0.0000

 78.4175, 100.0804,
79.6157

 0.0000, 0.0034,
0.0000

 102.0890,
128.2505, 104.7275

 0.0000, 0.0000,
0.0000

130.1008,

161.2652, 134.6318

162.8182,
199.5088, 169.7471

■ 12.3773, 18.4447,
11.2953

■ 12.3773, 18.4447,
11.2953

■ 11.1563, 17.8587,
9.2991

■ 13.8670, 19.1635,
13.6098

■ 10.1862, 17.3951,
7.6061

■ 15.6390, 20.0203,
16.2544

■ 9.4493, 17.0455,
6.2017


■ 17.7076, 21.0227,
19.2418


■ 8.9247, 16.7996,
5.0696


■ 20.0857, 22.1772,
22.5838


■ 8.5748, 16.6383,
4.1913


■ 22.7856, 23.4897,
26.2914

 8.4835, 16.5960,
3.9716

 25.8186, 24.9661,
30.3754

 29.1957, 26.6116,
34.8458

 32.9273, 28.4315,
39.7126

 37.0235, 30.4306,
44.9852

Harmonies

Analogous

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



14.5625, 18.4447, 7.2453



12.3773, 18.4447, 11.2953



11.5526, 18.4447, 19.2385

Triad

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



12.3773, 18.4447, 11.2953



17.2337, 18.4447, 46.6623



24.3177, 18.4447, 12.3368

Complementary

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



12.3773, 18.4447, 11.2953



14.9765, 10.5943, 18.3959

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.



25.2816, 18.4447, 20.9521



12.3773, 18.4447, 11.2953



20.8781, 18.4447, 42.9237

Square

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



12.3773, 18.4447, 11.2953



14.1094, 18.4447, 41.5178



23.9475, 18.4447, 32.5425



21.4657, 18.4447, 7.6882

Rectangle

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



12.3773, 18.4447, 11.2953



11.7885, 18.4447, 26.5572



23.9475, 18.4447, 32.5425



24.8888, 18.4447, 14.7573

Sweetspot

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



12.3778, 18.4455, 11.2957



32.2496, 37.5437, 35.3954



16.9059, 20.8369, 8.9255



7.3335, 8.6561, 7.9929



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.3778, 18.4455, 11.2957



19.5972, 31.4310, 16.2889



13.8396, 19.0302, 18.9936



4.6562, 5.2207, 5.2008



8.2156, 16.0691, 3.8549



0.0308, 0.0566, 0.0258

Inverse Universe

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



14.9765, 10.5943, 18.3959



24.7343, 15.8747, 30.2975



13.4500, 9.9837, 10.3572



4.8141, 4.7453, 5.6334



11.5471, 5.6832, 12.7194



0.0427, 0.0208, 0.0585

Previews

White Background



This preview shows how the XYZ color 12.3773, 18.4447, 11.2953 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 12.3773, 18.4447, 11.2953 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 12.3773, 18.4447, 11.2953

Background



This preview shows how black text looks on a background with the XYZ color 12.3773, 18.4447, 11.2953.



This preview shows how white text looks on a background with the XYZ color 12.3773, 18.4447,

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

12.3773, 18.4447, 11.2953

Protanopia

16.9068, 18.1741, 9.8246

Deuteranopia

18.5940, 18.3147, 11.7876



Tritanopia

15.3845, 18.4931, 26.0512

Trichromacy



Original Color

12.3773, 18.4447, 11.2953

Protanomaly

14.7153, 17.9332, 10.2753

Deuteranomaly

15.6279, 18.0077, 11.6690

Tritanomaly

14.0719, 18.3424, 19.6284

Monochromacy



Original Color

12.3773, 18.4447, 11.2953

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.2295, 16.0031, 14.1960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3773, 18.4447, 11.2953 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(70, 132, 84)` looks like.

```
.text, #text, p{  
    color:rgb(70, 132, 84)  
}
```

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(70, 132, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 132, 84) }
```

Border

The CSS property to change the border of an element to XYZ 12.3773, 18.4447, 11.2953 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(70, 132, 84) }
```


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

```
.border{ border-color:rgb(70, 132, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 132, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 132, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 132, 84);  
box-shadow:4px 4px 4px 4px rgb(70, 132,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3773, 18.4447, 11.2953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 132, 84) }
```

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

```
.background{ background-color: rgb(70, 132,  
84) }
```

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