

Converting Colors

XYZ(12.3393, 18.8042, 13.7506)

Have a look what the booklet for
XYZ(12.3393, 18.8042, 13.7506)
contains.

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Color

**XYZ(12.3356, 18.7760,
13.8004)**

Conversions

Conversions Part 1

Format	Color
Hex	3A865F
RGB	58, 134, 95
RGB Percent	23%, 53%, 37%
CMY	0.7725, 0.4745, 0.6274
CMYK	0.57, 0.00, 0.29, 0.47
HSL	149°, 40%, 38%
HSV	149°, 57%, 53%
XYZ	12.3356, 18.7760, 13.8004
YIQ	106.8300, -32.7770, -28.2410

Conversions

Conversions Part 2

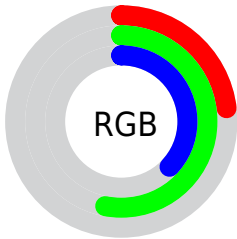
Format	Color
R _Y B	58, 109, 134
Decimal	3835487
CIE Lab	50.42, -33.16, 14.06
CIE LCh	50, 36.019, 157.022
Yxy	18.7760, 0.2747, 0.4181
Android (android.graphics.Color)	4282025567 (0xFF3A865F)
YUV	106.8300, -5.8322, -42.8239
Hunter-Lab	43.3313, -25.0142, 11.4489

Details

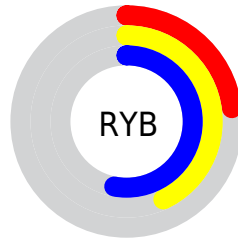
The XYZ color **12.3356, 18.7760, 13.8004** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.5029, 8.9580, 12.3275**, and the grayscale version is **13.9506, 14.6771, 15.9834**.

A 20% lighter version of the original color is **29.8536, 41.4865, 33.6284**, and **3.7247, 6.5624, 3.9761** is the 20% darker color. If you saturate the color by 10%, you get **11.3568, 18.3065, 12.1945**, and if you desaturate by 10%, it is **13.5458, 19.3627, 15.5620**.

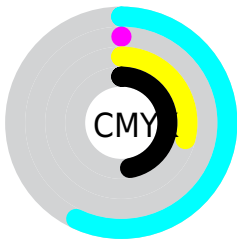
Distribution



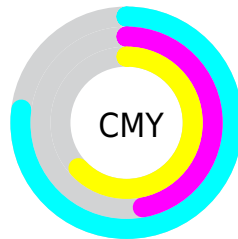
- Red (23%)
- Green (53%)
- Blue (37%)



- Red (23%)
- Yellow (43%)
- Blue (53%)



- Cyan (57%)
- Magenta (0%)
- Yellow (29%)
- Black (47%)



- Cyan (77%)
- Magenta (47%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3356, 18.7760, 13.8004 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 12.3356, 18.7760, 13.8004 by changing the saturation by 10% instead.

■ 12.3356, 18.7760,
13.8004

■ 12.3356, 18.7760,
13.8004

200.3394,
245.2094, 227.3706

■ 7.0465, 11.5085,
7.8448

■ 29.7165, 41.3552,
33.4465

■ 3.5378, 6.4100,
3.9095

■ 42.5389, 57.4358,
47.9740

■ 1.4441, 3.0959,
1.5758

■ 58.6032, 77.2229,
66.1960

■ 0.2873, 1.1820,
0.2735

■ 78.2747, 101.1008,
88.5309

■ 0.0000, 0.0470,
0.0000

■ 101.9187,
129.4541, 115.3972

■ 0.0000, 0.0000,
0.0000

■ 129.9005,

162.6670, 147.2136

162.5857,
201.1239, 184.3986

■ 12.3356, 18.7760,
13.8004

■ 12.3356, 18.7760,
13.8004

■ 11.3568, 18.3065,
12.1945

■ 13.5458, 19.3627,
15.5620

■ 10.5911, 17.9432,
10.7386

■ 15.0010, 20.0718,
17.4824

■ 10.0198, 17.6770,
9.4282

■ 16.7153, 20.9113,
19.5660

■ 9.6086, 17.4905,
8.2579

■ 18.7015, 21.8874,
21.8167

■ 9.4865, 17.4353,
7.9023

■ 20.9714, 23.0064,
24.2384

■ 23.5361, 24.2737,
26.8347

■ 26.4060, 25.6947,
29.6091

■ 29.5911, 27.2746,
32.5651

■ 33.1010, 29.0181,
35.7059

Harmonies

Analogous

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



14.0900, 18.7760, 8.5866



12.3356, 18.7760, 13.8004



11.9612, 18.7760, 22.8938

Triad

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



12.3356, 18.7760, 13.8004



18.6821, 18.7760, 46.1865



23.7817, 18.7760, 10.8899

Complementary

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



12.3356, 18.7760, 13.8004



13.5029, 8.9580, 12.3275

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.



25.4002, 18.7760, 18.1752



12.3356, 18.7760, 13.8004



22.2165, 18.7760, 40.0356

Square

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



12.3356, 18.7760, 13.8004



15.3437, 18.7760, 43.8413



24.7929, 18.7760, 28.9364



20.6066, 18.7760, 7.3308

Rectangle

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



12.3356, 18.7760, 13.8004



12.4933, 18.7760, 30.5196



24.7929, 18.7760, 28.9364



24.5436, 18.7760, 12.8727

Sweetspot

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



12.3361, 18.7768, 13.8008



32.7034, 38.4411, 38.1672



14.2477, 19.9126, 7.0958



7.2319, 8.5935, 8.4480



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.



12.3361, 18.7768, 13.8008



19.5973, 32.0567, 20.7452



14.4859, 19.6367, 25.1215



4.7037, 5.2397, 5.4511



8.8952, 16.3409, 7.4337



0.0345, 0.0581, 0.0450

Inverse Universe

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



13.5029, 8.9580, 12.3275



21.8639, 12.9698, 17.8732



12.1415, 8.4134, 5.1583



4.7649, 4.7256, 5.3742



10.2189, 5.1519, 5.7249



0.0391, 0.0193, 0.0392

Previews

White Background



This preview shows how the XYZ color 12.3356, 18.7760, 13.8004 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 12.3356, 18.7760, 13.8004 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 12.3356, 18.7760, 13.8004

Background



This preview shows how black text looks on a background with the XYZ color 12.3356, 18.7760, 13.8004.



This preview shows how white text looks on a background with the XYZ color 12.3356, 18.7760,

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

12.3356, 18.7760, 13.8004

Protanopia

17.2604, 18.4874, 11.8912

Deuteranopia

18.8641, 18.5656, 14.3937



Tritanopia

14.9779, 18.6420, 27.2349

Trichromacy



Original Color

12.3356, 18.7760, 13.8004

Protanomaly

14.6895, 18.0542, 12.6081

Deuteranomaly

15.4708, 18.0521, 14.2243

Tritanomaly

13.8045, 18.5536, 21.5925

Monochromacy



Original Color

12.3356, 18.7760, 13.8004

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

12.9293, 15.8257, 15.2052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3356, 18.7760, 13.8004 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(58, 134, 95)` looks like.

```
.text, #text, p{  
    color:rgb(58, 134, 95)  
}
```

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(58, 134, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 134, 95) }
```

Border

The CSS property to change the border of an element to XYZ 12.3356, 18.7760, 13.8004 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(58, 134, 95) }
```


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

```
.border{ border-color:rgb(58, 134, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 134, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 134, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 134, 95);  
box-shadow:4px 4px 4px 4px rgb(58, 134,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3356, 18.7760, 13.8004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 134, 95) }
```

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

```
.background{ background-color: rgb(58, 134,  
95) }
```

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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