

Converting Colors

XYZ(11.4545, 12.3544, 17.2891)

Have a look what the booklet for
XYZ(11.4545, 12.3544, 17.2891)
contains.

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Color

**XYZ(11.4683, 12.3328,
17.3988)**

Conversions

Conversions Part 1

Format	Color
Hex	576471
RGB	87, 100, 113
RGB Percent	34%, 39%, 44%
CMY	0.6588, 0.6078, 0.5569
CMYK	0.23, 0.12, 0.00, 0.56
HSL	210°, 13%, 39%
HSV	210°, 23%, 44%
XYZ	11.4683, 12.3328, 17.3988
YIQ	97.5950, -11.9210, 1.2870

Conversions

Conversions Part 2

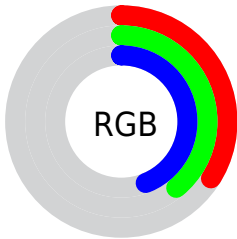
Format	Color
R_{YB}	87, 96, 113
Decimal	5727345
CIE _{Lab}	41.74, -1.81, -8.98
CIE _{LCh}	42, 9.158, 258.612
Yxy	12.3328, 0.2784, 0.2993
Android (android.graphics.Color)	4283917425 (0xFF576471)
YUV	97.5950, 7.5947, -9.2918
Hunter-Lab	35.1181, -3.1650, -4.7918

Details

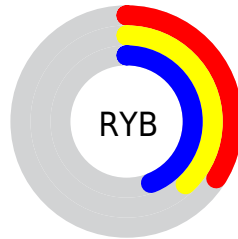
The XYZ color **11.4683, 12.3328, 17.3988** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.0877, 13.3133, 10.8971**, and the grayscale version is **11.4932, 12.0917, 13.1679**.

A 20% lighter version of the original color is **28.1747, 30.1682, 39.9354**, and **3.1417, 3.3993, 5.4916** is the 20% darker color. If you saturate the color by 10%, you get **9.9716, 10.7848, 17.1791**, and if you desaturate by 10%, it is **13.1685, 14.0422, 17.6393**.

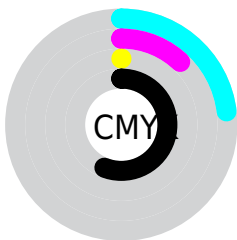
Distribution



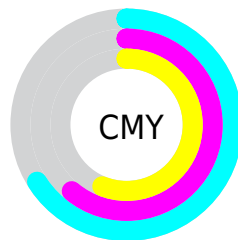
- Red (34%)
- Green (39%)
- Blue (44%)



- Red (34%)
- Yellow (38%)
- Blue (44%)



- Cyan (23%)
- Magenta (12%)
- Yellow (0%)
- Black (56%)



- Cyan (66%)
- Magenta (61%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.4683, 12.3328, 17.3988 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 11.4683, 12.3328, 17.3988 by changing the saturation by 10% instead.

■ 11.4683, 12.3328,
17.3988

■ 11.4683, 12.3328,
17.3988

194.6955,
206.5962, 249.5815

■ 6.4524, 6.9708,
10.3543

■ 28.1483, 30.0998,
39.8102

■ 3.1653, 3.4438,
5.5258

■ 40.5430, 43.2735,
56.0141

■ 1.2418, 1.3676,
2.4949

■ 56.1281, 59.8200,
76.1083

■ 0.1390, 0.1927,
0.8374

■ 75.2688, 80.1235,
100.5113

■ 0.0000, 0.0000,
0.0000

■ 98.3305, 104.5685,
129.6415

125.6787,

133.5393, 163.9176

157.6785,
167.4204, 203.7581

■ 11.4683, 12.3328,
17.3988

■ 11.4683, 12.3328,
17.3988

■ 9.9716, 10.7848,
17.1791

■ 13.1685, 14.0422,
17.6393

■ 8.6689, 9.3911,
16.9787

■ 15.0790, 15.9165,
17.9004

■ 7.5515, 8.1465,
16.7974

■ 17.2077, 17.9613,
18.1829

■ 6.6096, 7.0447,
16.6344

■ 19.5616, 20.1812,
18.4873

■ 5.8323, 6.0788,
16.4889

■ 22.1474, 22.5806,
18.8142

■ 5.2074, 5.2413,
16.3602

■ 24.9716, 25.1639,
19.1640

■ 4.7193, 4.5227,
16.2472

■ 28.0405, 27.9352,
19.5371

■ 4.4194, 4.0697,
16.1756

■ 31.3599, 30.8986,
19.9342

■ 34.9356, 34.0579,
20.3555

Harmonies

Analogous

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



10.8871, 12.3328, 16.4050



11.4683, 12.3328, 17.3988



12.1398, 12.3328, 17.2556

Triad

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



11.4683, 12.3328, 17.3988



12.9916, 12.3328, 12.2799



10.7777, 12.3328, 11.1241

Complementary

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



11.4683, 12.3328, 17.3988



13.0877, 13.3133, 10.8971

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.



11.3138, 12.3328, 10.2135



11.4683, 12.3328, 17.3988



12.5985, 12.3328, 10.8354

Square

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



11.4683, 12.3328, 17.3988



13.0368, 12.3328, 14.1735



11.9793, 12.3328, 10.1131



10.4986, 12.3328, 12.7098

Rectangle

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



11.4683, 12.3328, 17.3988



12.5482, 12.3328, 16.5373



11.9793, 12.3328, 10.1131



10.9328, 12.3328, 10.7357

Sweetspot

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



11.4687, 12.3333, 17.3991



25.5249, 27.0618, 31.8536



12.1152, 14.7485, 14.1554



5.8734, 6.2294, 7.3626



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



11.4687, 12.3333, 17.3991



18.9540, 20.4583, 30.9254



10.3548, 10.1057, 17.0278



3.3425, 3.5503, 4.2633



4.9932, 4.5766, 18.3418



24.0104, 21.0726, 91.0811

Inverse Universe

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



12.5188, 11.2476, 13.5683



21.2426, 18.2329, 22.5451



14.3875, 15.9128, 11.3304



3.4476, 3.4267, 3.8836



8.5387, 4.3078, 4.6465



42.0993, 21.2850, 20.8529

Previews

White Background



This preview shows how the XYZ color 11.4683, 12.3328, 17.3988 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 11.4683, 12.3328, 17.3988 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

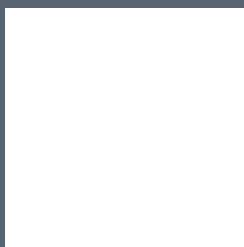
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.4683, 12.3328, 17.3988

Background



This preview shows how black text looks on a background with the XYZ color 11.4683, 12.3328, 17.3988.



This preview shows how white text looks on a background with the XYZ color 11.4683, 12.3328,

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

11.4683, 12.3328, 17.3988

Protanopia

12.0608, 12.3699, 16.7909

Deuteranopia

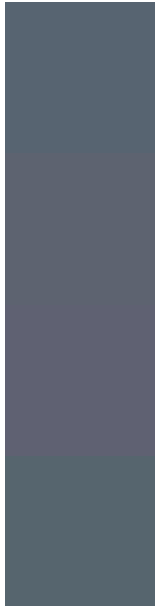
12.4757, 12.2900, 17.6343



Tritanopia

11.2517, 12.3899, 16.2665

Trichromacy



Original Color

11.4683, 12.3328, 17.3988

Protanomaly

11.9007, 12.4207, 17.0994

Deuteranomaly

12.0313, 12.1972, 17.6398

Tritanomaly

11.3059, 12.4116, 16.5516

Monochromacy



Original Color

11.4683, 12.3328, 17.3988

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.5261, 12.2826, 14.5953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.4683, 12.3328, 17.3988 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(87, 100, 113) looks like.

```
.text, #text, p{  
    color:rgb(87, 100, 113)  
}
```

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(87, 100, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 100, 113) }
```

Border

The CSS property to change the border of an element to XYZ 11.4683, 12.3328, 17.3988 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(87, 100, 113) }
```


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

```
.border{ border-color:rgb(87, 100, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 100, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 100, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 100, 113);  
box-shadow:4px 4px 4px 4px rgb(87, 100,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 11.4683, 12.3328, 17.3988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 100, 113) }
```

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

```
.background{ background-color: rgb(87, 100,  
113) }
```

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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