

Converting Colors

XYZ(13.0879, 12.6668, 27.3463)

Have a look what the booklet for
XYZ(13.0879, 12.6668, 27.3463)
contains.

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Color

**XYZ(13.0879, 12.6668,
27.3463)**

Conversions

Conversions Part 1

Format	Color
Hex	56628E
RGB	86, 98, 142
RGB Percent	34%, 38%, 56%
CMY	0.6627, 0.6157, 0.4431
CMYK	0.39, 0.31, 0.00, 0.44
HSL	227°, 25%, 45%
HSV	227°, 39%, 56%
XYZ	13.0879, 12.6668, 27.3463
YIQ	99.4280, -21.2760, 11.1400

Conversions

Conversions Part 2

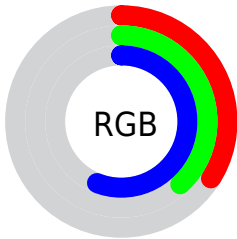
Format	Color
R _Y B	86, 96, 142
Decimal	5661326
CIE Lab	42.26, 7.09, -25.74
CIE LCh	42, 26.701, 285.393
Yxy	12.6668, 0.2465, 0.2385
Android (android.graphics.Color)	4283851406 (0xFF56628E)
YUV	99.4280, 20.9880, -11.7764
Hunter-Lab	35.5904, 3.3576, -20.6428

Details

The XYZ color **13.0879, 12.6668, 27.3463** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **20.8180, 22.3882, 12.0287**, and the grayscale version is **11.9206, 12.5414, 13.6575**.

A 20% lighter version of the original color is **31.1925, 30.8837, 56.5417**, and **3.8439, 3.5864, 10.3872** is the 20% darker color. If you saturate the color by 10%, you get **10.9359, 10.1144, 26.9673**, and if you desaturate by 10%, it is **15.6461, 15.6451, 27.7866**.

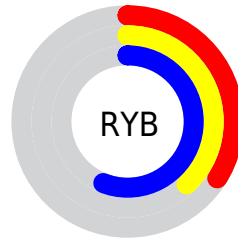
Distribution



Red (34%)

Green (38%)

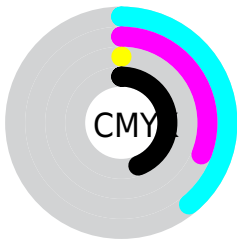
Blue (56%)



Red (34%)

Yellow (38%)

Blue (56%)

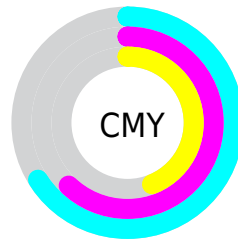


Cyan (39%)

Magenta (31%)

Yellow (0%)

Black (44%)



Cyan (66%)

Magenta (62%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0879, 12.6668, 27.3463 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 13.0879, 12.6668, 27.3463 by changing the saturation by 10% instead.

■ 13.0879, 12.6668,
27.3463

■ 13.0879, 12.6668,
27.3463

205.1065,
208.7711, 303.1430

■ 7.5665, 7.1995,
17.5987

■ 31.0616, 30.7039,
56.4495

■ 3.8683, 3.5872,
10.4958

■ 44.2446, 44.0424,
76.6423

■ 1.6279, 1.4454,
5.6191

■ 60.7122, 60.7735,
101.1539

■ 0.4105, 0.2498,
2.5498

■ 80.8297, 81.2816,
130.4028

■ 0.0000, 0.0000,
0.8664

■ 104.9626,
105.9510, 164.8077

■ 0.0000, 0.0000,
0.0000

133.4761,

135.1661, 204.7870

166.7356,
169.3113, 250.7592

■ 13.0879, 12.6668,
27.3463

■ 13.0879, 12.6668,
27.3463

■ 10.9359, 10.1144,
26.9673

■ 15.6461, 15.6451,
27.7866

■ 9.1674, 7.9666,
26.6459

■ 18.6290, 19.0666,
28.2898

■ 7.7592, 6.2022,
26.3796

■ 22.0555, 22.9491,
28.8586

■ 6.6851, 4.7976,
26.1651

■ 25.9431, 27.3092,
29.4953

■ 5.9152, 3.7259,
25.9988

■ 30.3082, 32.1625,
30.2020

■ 5.3841, 2.9412,
25.8753

■ 35.1664, 37.5241,
30.9808

■ 5.3577, 2.9034,
25.8694

■ 40.5327, 43.4081,
31.8337

■ 46.4213, 49.8284,
32.7626

■ 52.8459, 56.7982,
33.7693

Harmonies

Analogous

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



11.0967, 12.6668, 27.4080



13.0879, 12.6668, 27.3463



14.9858, 12.6668, 23.0474

Triad

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



13.0879, 12.6668, 27.3463



14.9427, 12.6668, 7.3499



8.6923, 12.6668, 11.2001

Complementary

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



13.0879, 12.6668, 27.3463



20.8180, 22.3882, 12.0287

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.



9.5070, 12.6668, 7.4203



13.0879, 12.6668, 27.3463



13.0341, 12.6668, 5.6517

Square

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



13.0879, 12.6668, 27.3463



16.1347, 12.6668, 11.0736



11.0485, 12.6668, 5.6733



8.7033, 12.6668, 16.9225

Rectangle

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



13.0879, 12.6668, 27.3463



15.8796, 12.6668, 18.8974



11.0485, 12.6668, 5.6733



8.8744, 12.6668, 9.7004

Sweetspot

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



13.0883, 12.6673, 27.3466



37.1114, 38.4579, 50.5950



17.5314, 22.9329, 24.5750



8.1380, 8.4190, 11.2755



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.0883, 12.6673, 27.3466



19.7948, 18.4469, 47.6452



13.6751, 11.4260, 27.0761



5.2175, 5.4307, 6.8020



4.8222, 2.6303, 23.2306



0.0597, 0.0524, 0.2266

Inverse Universe

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



16.6881, 13.2886, 13.2412



27.1154, 20.0037, 18.8938



19.9769, 24.4639, 12.4737



5.4532, 5.4418, 5.8848



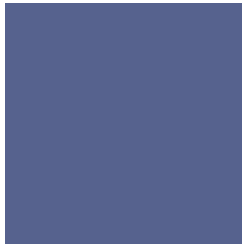
10.2371, 5.2519, 1.6340



0.1047, 0.0530, 0.0518

Previews

White Background



This preview shows how the XYZ color 13.0879, 12.6668, 27.3463 looks on a white background.

Color Contrast Check

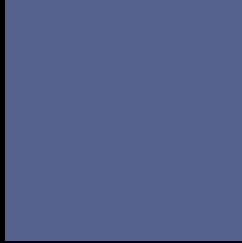
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0879, 12.6668, 27.3463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

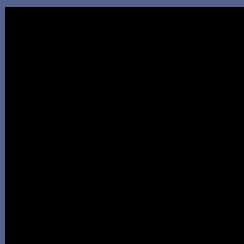
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

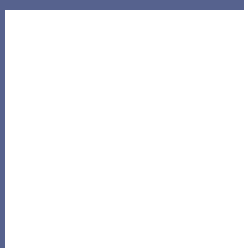
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.0879, 12.6668, 27.3463

Background



This preview shows how black text looks on a background with the XYZ color 13.0879, 12.6668, 27.3463.

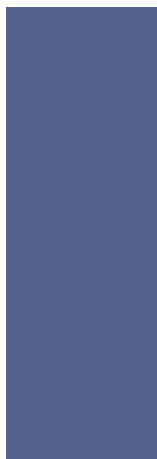


This preview shows how white text looks on a background with the XYZ color 13.0879, 12.6668,

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

13.0879, 12.6668, 27.3463

Protanopia

13.0879, 12.6668, 27.3463

Deuteranopia

13.0005, 12.7615, 27.3692



Tritanopia

11.0994, 12.7327, 17.2019

Trichromacy



Original Color

13.0879, 12.6668, 27.3463

Protanomaly

13.0879, 12.6668, 27.3463

Deuteranomaly

13.0906, 12.8080, 27.3734

Tritanomaly

11.8062, 12.7266, 20.5731

Monochromacy



Original Color

13.0879, 12.6668, 27.3463

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.1724, 12.5412, 17.9988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0879, 12.6668, 27.3463 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(86, 98, 142) looks like.

```
.text, #text, p{  
    color:rgb(86, 98, 142)  
}
```

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(86, 98, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 98, 142) }
```

Border

The CSS property to change the border of an element to XYZ 13.0879, 12.6668, 27.3463 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(86, 98, 142) }
```


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

```
.border{ border-color:rgb(86, 98, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 98, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 98, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 98, 142);  
box-shadow:4px 4px 4px 4px rgb(86, 98,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0879, 12.6668, 27.3463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 98, 142) }
```

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

```
.background{ background-color: rgb(86, 98,  
142) }
```

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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