

Converting Colors

XYZ(10.2972, 12.1337, 18.0793)

Have a look what the booklet for
XYZ(10.2972, 12.1337, 18.0793)
contains.

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Color

**XYZ(10.3287, 12.1672,
18.0238)**

Conversions

Conversions Part 1

Format	Color
Hex	446773
RGB	68, 103, 115
RGB Percent	27%, 40%, 45%
CMY	0.7333, 0.5961, 0.5490
CMYK	0.41, 0.10, 0.00, 0.55
HSL	195°, 26%, 36%
HSV	195°, 41%, 45%
XYZ	10.3287, 12.1672, 18.0238
YIQ	93.9030, -24.7120, -3.6880

Conversions

Conversions Part 2

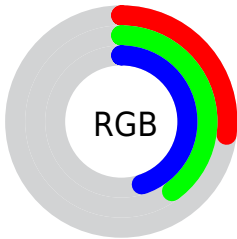
Format	Color
R_{YB}	68, 88, 115
Decimal	4482931
CIE _{Lab}	41.48, -9.16, -10.71
CIE _{LCh}	41, 14.093, 229.459
Yxy	12.1672, 0.2549, 0.3003
Android (android.graphics.Color)	4282673011 (0xFF446773)
YUV	93.9030, 10.4008, -22.7169
Hunter-Lab	34.8815, -8.1873, -6.2190

Details

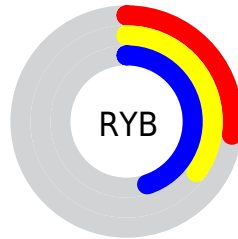
The XYZ color **10.3287, 12.1672, 18.0238** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.9827, 9.8000, 6.7821**, and the grayscale version is **10.5971, 11.1490, 12.1413**.

A 20% lighter version of the original color is **26.0019, 29.7528, 40.9316**, and **2.6959, 3.3720, 5.8190** is the 20% darker color. If you saturate the color by 10%, you get **9.3171, 11.2200, 17.8945**, and if you desaturate by 10%, it is **11.5086, 13.2170, 18.1644**.

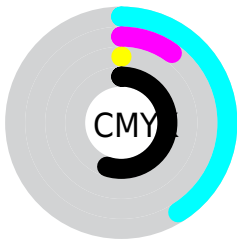
Distribution



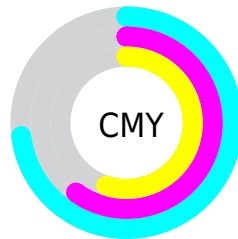
- Red (27%)
- Green (40%)
- Blue (45%)



- Red (27%)
- Yellow (35%)
- Blue (45%)



- Cyan (41%)
- Magenta (10%)
- Yellow (0%)
- Black (55%)



- Cyan (73%)
- Magenta (60%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3287, 12.1672, 18.0238 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 10.3287, 12.1672, 18.0238 by changing the saturation by 10% instead.

■ 10.3287, 12.1672,
18.0238

■ 10.3287, 12.1672,
18.0238

187.0072,
205.5091, 253.2458

■ 5.6814, 6.8577,
10.7975

■ 26.0560, 29.7993,
40.8924

■ 2.6911, 3.3732,
5.8184

■ 37.8668, 42.8906,
57.3717

■ 0.9926, 1.3296,
2.6679

■ 52.7960, 59.3446,
77.7724

■ 0.0000, 0.1639,
0.9272

■ 71.2091, 79.5457,
102.5130

■ 0.0000, 0.0000,
0.0000

■ 93.4714, 103.8783,
132.0121

119.9483,

132.7268, 166.6883

151.0051,
166.4756, 206.9600

■ 10.3287, 12.1672,
18.0238

■ 10.3287, 12.1672,
18.0238

■ 9.3171, 11.2200,
17.8945

■ 11.5086, 13.2170,
18.1644

■ 8.4635, 10.3691,
17.7752

■ 12.8645, 14.3725,
18.3160

■ 7.7579, 9.6093,
17.6658

■ 14.4045, 15.6386,
18.4792

■ 7.1886, 8.9346,
17.5656

■ 16.1363, 17.0191,
18.6544

■ 6.7422, 8.3378,
17.4739

■ 18.0668, 18.5180,
18.8420

■ 6.3936, 7.8359,
17.3954

■ 20.2028, 20.1387,
19.0422

■ 22.5506, 21.8847,
19.2555

■ 25.1163, 23.7594,
19.4821

■ 27.9058, 25.7657,
19.7224

Harmonies

Analogous

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



9.8019, 12.1672, 15.2214



10.3287, 12.1672, 18.0238



11.2073, 12.1672, 19.6173

Triad

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



10.3287, 12.1672, 18.0238



13.6152, 12.1672, 14.3091



10.9195, 12.1672, 8.6017

Complementary

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



10.3287, 12.1672, 18.0238



10.9827, 9.8000, 6.7821

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.



11.9293, 12.1672, 8.4323



10.3287, 12.1672, 18.0238



13.5268, 12.1672, 11.4530

Square

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



10.3287, 12.1672, 18.0238



13.1300, 12.1672, 17.2716



12.8953, 12.1672, 9.4005



10.1288, 12.1672, 9.9035

Rectangle

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



10.3287, 12.1672, 18.0238



11.8919, 12.1672, 19.6414



12.8953, 12.1672, 9.4005



11.2433, 12.1672, 8.4186

Sweetspot

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



10.3291, 12.1677, 18.0241



25.3734, 27.6627, 33.0466



9.9538, 14.0662, 9.7320



5.9878, 6.5461, 7.8769



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



10.3291, 12.1677, 18.0241



16.7810, 20.1849, 32.0561



8.3293, 8.1680, 17.3575



3.7080, 4.0046, 4.6678



7.2915, 8.9228, 19.8805



34.8188, 42.0542, 96.6424

Inverse Universe

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



11.5859, 8.7588, 13.9123



19.4351, 13.4526, 23.2688



12.9891, 13.8129, 7.4509



3.7886, 3.7427, 4.4136



9.9776, 4.9247, 10.3560



48.2617, 23.8548, 48.5687

Previews

White Background



This preview shows how the XYZ color 10.3287, 12.1672, 18.0238 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 10.3287, 12.1672, 18.0238 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

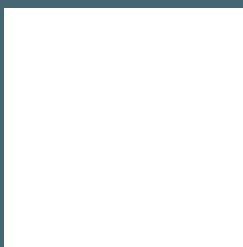
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.3287, 12.1672, 18.0238

Background



This preview shows how black text looks on a background with the XYZ color 10.3287, 12.1672, 18.0238.

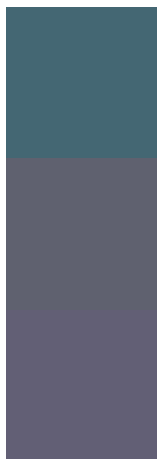


This preview shows how white text looks on a background with the XYZ color 10.3287, 12.1672,

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

10.3287, 12.1672, 18.0238

Protanopia

11.8633, 12.1300, 16.7550

Deuteranopia

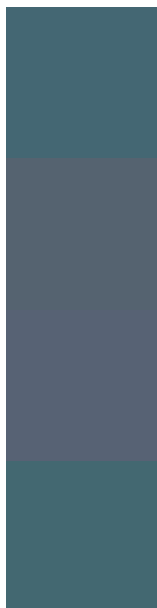
12.3401, 12.0654, 18.5081



Tritanopia

10.1897, 12.2638, 17.1593

Trichromacy



Original Color

10.3287, 12.1672, 18.0238

Protanomaly

11.1328, 12.0248, 17.0635

Deuteranomaly

11.4505, 12.0226, 18.2401

Tritanomaly

10.2457, 12.2862, 17.4542

Monochromacy



Original Color

10.3287, 12.1672, 18.0238

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.4193, 11.4400, 14.2294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3287, 12.1672, 18.0238 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(68, 103, 115) looks like.

```
.text, #text, p{  
    color:rgb(68, 103, 115)  
}
```

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(68, 103, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 103, 115) }
```

Border

The CSS property to change the border of an element to XYZ 10.3287, 12.1672, 18.0238 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(68, 103, 115) }
```


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

```
.border{ border-color:rgb(68, 103, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 103, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 103, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 103, 115);  
box-shadow:4px 4px 4px 4px rgb(68, 103,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3287, 12.1672, 18.0238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 103, 115) }
```

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

```
.background{ background-color: rgb(68, 103,  
115) }
```

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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