

Converting Colors

XYZ(10.6986, 12.7731, 18.5719)

Have a look what the booklet for
XYZ(10.6986, 12.7731, 18.5719)
contains.

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Color

**XYZ(10.6903, 12.7980,
18.4298)**

Conversions

Conversions Part 1

Format	Color
Hex	446A74
RGB	68, 106, 116
RGB Percent	27%, 42%, 45%
CMY	0.7333, 0.5843, 0.5451
CMYK	0.41, 0.09, 0.00, 0.55
HSL	192°, 26%, 36%
HSV	192°, 41%, 45%
XYZ	10.6903, 12.7980, 18.4298
YIQ	95.7780, -25.8580, -4.9460

Conversions

Conversions Part 2

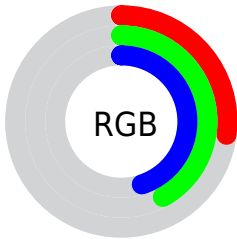
Format	Color
R_{YB}	68, 89, 116
Decimal	4483700
CIE _{Lab}	42.46, -10.62, -9.84
CIE _{LCh}	42, 14.479, 222.836
Yxy	12.7980, 0.2550, 0.3053
Android (android.graphics.Color)	4282673780 (0xFF446A74)
YUV	95.7780, 9.9694, -24.3613
Hunter-Lab	35.7743, -9.2645, -5.5024

Details

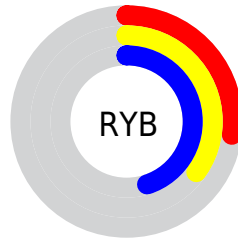
The XYZ color **10.6903, 12.7980, 18.4298** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.9704, 9.5792, 6.7399**, and the grayscale version is **11.0459, 11.6211, 12.6554**.

A 20% lighter version of the original color is **26.7326, 30.8630, 41.5940**, and **2.8568, 3.6739, 6.0274** is the 20% darker color. If you saturate the color by 10%, you get **9.7146, 11.9308, 18.3141**, and if you desaturate by 10%, it is **11.8340, 13.7628, 18.5560**.

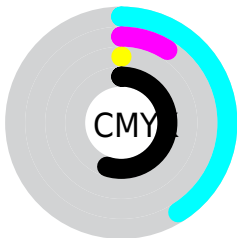
Distribution



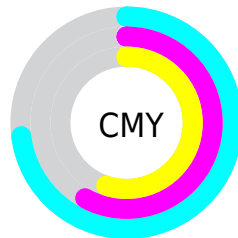
- Red (27%)
- Green (42%)
- Blue (45%)



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



- Cyan (41%)
- Magenta (9%)
- Yellow (0%)
- Black (55%)



- Cyan (73%)
- Magenta (58%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.6903, 12.7980, 18.4298 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 10.6903, 12.7980, 18.4298 by changing the saturation by 10% instead.

■ 10.6903, 12.7980,
18.4298

■ 10.6903, 12.7980,
18.4298

189.4828,
209.6190, 255.5996

■ 5.9247, 7.2896,
11.0864

■ 26.7241, 30.9404,
41.5921

■ 2.8396, 3.6439,
6.0101

■ 38.7230, 44.3432,
58.2481

■ 1.0695, 1.4764,
2.7823

■ 53.8638, 61.1462,
78.8454

■ 0.0000, 0.2720,
0.9846

■ 72.5118, 81.7339,
103.8024

■ 0.0000, 0.0000,
0.0000

■ 95.0324, 106.4906,
133.5378

121.7908,

135.8008, 168.4701

153.1525,
170.0488, 209.0179

■ 10.6903, 12.7980,
18.4298

■ 10.6903, 12.7980,
18.4298

■ 9.7146, 11.9308,
18.3141

■ 11.8340, 13.7628,
18.5560

■ 8.8961, 11.1547,
18.2074

■ 13.1532, 14.8283,
18.6921

■ 8.2246, 10.4646,
18.1096

■ 14.6564, 15.9992,
18.8389

■ 7.6883, 9.8544,
18.0201

■ 16.3514, 17.2797,
18.9967

■ 7.2733, 9.3168,
17.9382

■ 18.2452, 18.6734,
19.1659

■ 6.9655, 8.8871,
17.8715

■ 20.3447, 20.1840,
19.3468

■ 22.6564, 21.8148,
19.5398

■ 25.1864, 23.5692,
19.7450

■ 27.9406, 25.4502,
19.9630

Harmonies

Analogous

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



10.2320, 12.7980, 15.3121



10.6903, 12.7980, 18.4298



11.5557, 12.7980, 20.4965

Triad

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



10.6903, 12.7980, 18.4298



14.2797, 12.7980, 15.7833



11.7042, 12.7980, 8.8613

Complementary

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



10.6903, 12.7980, 18.4298



10.9704, 9.5792, 6.7399

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.



12.7935, 12.7980, 8.9484



10.6903, 12.7980, 18.4298



14.3254, 12.7980, 12.6428

Square

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



10.6903, 12.7980, 18.4298



13.6463, 12.7980, 18.8189



13.7675, 12.7980, 10.2375



10.7934, 12.7980, 9.9786

Rectangle

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



10.6903, 12.7980, 18.4298



12.2682, 12.7980, 20.8348



13.7675, 12.7980, 10.2375



12.0607, 12.7980, 8.7562

Sweetspot

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



10.6907, 12.7985, 18.4301



25.5046, 27.9250, 33.0903



9.9904, 14.2643, 9.3598



6.0214, 6.6133, 7.8881



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.



10.6907, 12.7985, 18.4301



17.0940, 20.9882, 32.1947



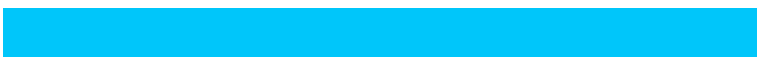
8.5841, 8.5853, 17.7279



3.7217, 4.0320, 4.6723



7.8035, 9.9467, 20.0512



37.3983, 47.2131, 97.5022

Inverse Universe

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



11.8714, 8.8881, 14.7262



19.5497, 13.3326, 24.3837



12.9582, 13.5549, 7.4025



3.7955, 3.7455, 4.4501



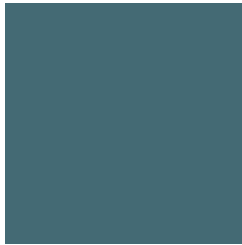
10.2360, 5.0281, 11.7167



49.5637, 24.3756, 55.4249

Previews

White Background



This preview shows how the XYZ color 10.6903, 12.7980, 18.4298 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 10.6903, 12.7980, 18.4298 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

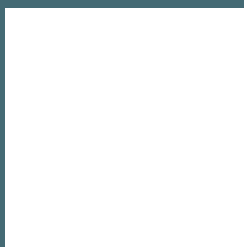
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.6903, 12.7980, 18.4298

Background



This preview shows how black text looks on a background with the XYZ color 10.6903, 12.7980, 18.4298.



This preview shows how white text looks on a background with the XYZ color 10.6903, 12.7980,

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

10.6903, 12.7980, 18.4298

Protanopia

12.4235, 12.6902, 17.1239

Deuteranopia

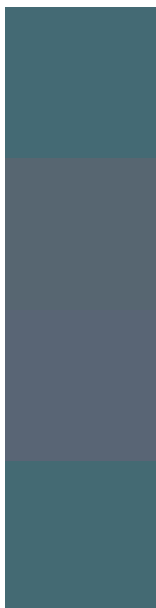
13.0045, 12.8101, 18.9267



Tritanopia

10.6324, 12.7748, 18.1251

Trichromacy



Original Color

10.6903, 12.7980, 18.4298

Protanomaly

11.6625, 12.7212, 17.4635

Deuteranomaly

11.9844, 12.7156, 18.6523

Tritanomaly

10.6324, 12.7748, 18.1251

Monochromacy



Original Color

10.6903, 12.7980, 18.4298

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.8431, 12.0720, 14.5906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.6903, 12.7980, 18.4298 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, 106, 116)` looks like.

```
.text, #text, p{  
    color:rgb(68, 106, 116)  
}
```

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, 106, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 106, 116) }
```

Border

The CSS property to change the border of an element to XYZ 10.6903, 12.7980, 18.4298 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, 106, 116) }
```


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

```
.border{ border-color:rgb(68, 106, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 106, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 106, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 106, 116);  
box-shadow:4px 4px 4px 4px rgb(68, 106,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 10.6903, 12.7980, 18.4298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 106, 116) }
```

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

```
.background{ background-color: rgb(68, 106,  
116) }
```

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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