

Converting Colors

XYZ(10.3401, 12.3981, 17.2358)

Have a look what the booklet for
XYZ(10.3401, 12.3981, 17.2358)
contains.

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Color

**XYZ(10.2588, 12.2994,
17.1626)**

Conversions

Conversions Part 1

Format	Color
Hex	446870
RGB	68, 104, 112
RGB Percent	27%, 41%, 44%
CMY	0.7333, 0.5921, 0.5608
CMYK	0.39, 0.07, 0.00, 0.56
HSL	191°, 24%, 35%
HSV	191°, 39%, 44%
XYZ	10.2588, 12.2994, 17.1626
YIQ	94.1480, -24.0240, -5.1440

Conversions

Conversions Part 2

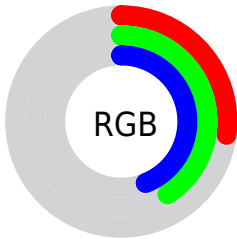
Format	Color
R_{YB}	68, 88, 112
Decimal	4483184
CIE _{Lab}	41.69, -10.59, -8.57
CIE _{LCh}	42, 13.629, 218.986
Yxy	12.2994, 0.2583, 0.3096
Android (android.graphics.Color)	4282673264 (0xFF446870)
YUV	94.1480, 8.8010, -22.9318
Hunter-Lab	35.0705, -9.1587, -4.4656

Details

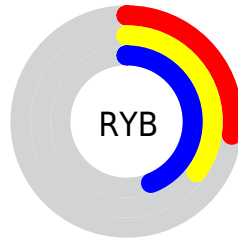
The XYZ color **10.2588, 12.2994, 17.1626** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.3101, 9.0311, 6.6688**, and the grayscale version is **10.6585, 11.2136, 12.2116**.

A 20% lighter version of the original color is **25.8934, 29.9746, 39.5429**, and **2.6571, 3.4349, 5.3734** is the 20% darker color. If you saturate the color by 10%, you get **9.3487, 11.5299, 17.0623**, and if you desaturate by 10%, it is **11.3239, 13.1567, 17.2722**.

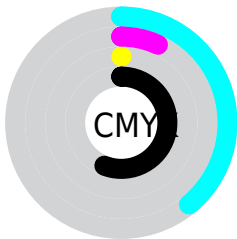
Distribution



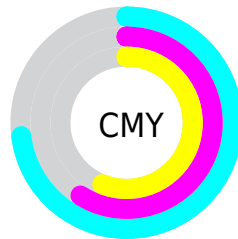
- Red (27%)
- Green (41%)
- Blue (44%)



- Red (27%)
- Yellow (35%)
- Blue (44%)



- Cyan (39%)
- Magenta (7%)
- Yellow (0%)
- Black (56%)



- Cyan (73%)
- Magenta (59%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2588, 12.2994, 17.1626 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 10.2588, 12.2994, 17.1626 by changing the saturation by 10% instead.

■ 10.2588, 12.2994,
17.1626

■ 10.2588, 12.2994,
17.1626

186.5246,
206.3774, 248.1833

■ 5.6345, 6.9479,
10.1873

■ 25.9264, 30.0392,
39.3996

■ 2.6626, 3.4296,
5.4161

■ 37.7004, 43.1964,
55.4984

■ 0.9780, 1.3599,
2.4304

■ 52.5884, 59.7242,
75.4754

■ 0.0000, 0.1869,
0.8029

■ 70.9556, 80.0071,
99.7493

■ 0.0000, 0.0000,
0.0000

■ 93.1675, 104.4295,
128.7384

119.5894,

133.3758, 162.8614

150.5866,
167.2303, 202.5369

■ 10.2588, 12.2994,
17.1626

■ 10.2588, 12.2994,
17.1626

■ 9.3487, 11.5299,
17.0623

■ 11.3239, 13.1567,
17.2722

■ 8.5839, 10.8424,
16.9698

■ 12.5507, 14.1045,
17.3904

■ 7.9554, 10.2323,
16.8852

■ 13.9470, 15.1471,
17.5181

■ 7.4525, 9.6942,
16.8079

■ 15.5196, 16.2881,
17.6554

■ 7.0631, 9.2217,
16.7372

■ 17.2750, 17.5309,
17.8028

■ 6.7433, 8.7922,
16.6711

■ 19.2195, 18.8788,
17.9605

■ 6.7207, 8.7619,
16.6665

■ 21.3588, 20.3347,
18.1288

■ 23.6986, 21.9017,
18.3079

■ 26.2442, 23.5825,
18.4982

Harmonies

Analogous

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



9.8925, 12.2994, 14.2704



10.2588, 12.2994, 17.1626



11.0144, 12.2994, 19.2164

Triad

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



10.2588, 12.2994, 17.1626



13.5780, 12.2994, 15.4647



11.3925, 12.2994, 8.6571

Complementary

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



10.2588, 12.2994, 17.1626



10.3101, 9.0311, 6.6688

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.



12.3932, 12.2994, 8.8822



10.2588, 12.2994, 17.1626



13.6935, 12.2994, 12.5504

Square

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



10.2588, 12.2994, 17.1626



12.9417, 12.2994, 18.1431



13.2489, 12.2994, 10.2185



10.5221, 12.2994, 9.5524

Rectangle

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



10.2588, 12.2994, 17.1626



11.6562, 12.2994, 19.6848



13.2489, 12.2994, 10.2185



11.7243, 12.2994, 8.6073

Sweetspot

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



10.2592, 12.2999, 17.1629



23.7258, 26.0366, 30.7049



9.4597, 13.3301, 8.7912



5.6443, 6.2138, 7.3716



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.



10.2592, 12.2999, 17.1629



16.5794, 20.3905, 29.9917



8.3766, 8.5347, 16.5353



3.4259, 3.7171, 4.2911



7.7545, 10.0994, 19.2623



38.0531, 49.1580, 95.7620

Inverse Universe

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



11.2482, 8.5787, 14.1602



18.6240, 13.0559, 23.7037



12.0313, 12.4735, 7.2425



3.4897, 3.4436, 4.1053



9.9325, 4.8654, 11.9862



49.1874, 24.1203, 58.1784

Previews

White Background



This preview shows how the XYZ color 10.2588, 12.2994, 17.1626 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 10.2588, 12.2994, 17.1626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

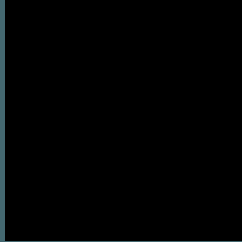
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.2588, 12.2994, 17.1626

Background



This preview shows how black text looks on a background with the XYZ color 10.2588, 12.2994, 17.1626.



This preview shows how white text looks on a background with the XYZ color 10.2588, 12.2994,

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

10.2588, 12.2994, 17.1626

Protanopia

11.9112, 12.1735, 15.9093

Deuteranopia

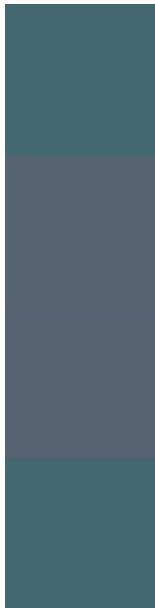
12.4757, 12.2900, 17.6343



Tritanopia

10.2588, 12.2994, 17.1626

Trichromacy



Original Color

10.2588, 12.2994, 17.1626

Protanomaly

11.1552, 12.1969, 16.2343

Deuteranomaly

11.4670, 12.1906, 17.3714

Tritanomaly

10.2588, 12.2994, 17.1626

Monochromacy



Original Color

10.2588, 12.2994, 17.1626

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.4630, 11.6062, 14.0007

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2588, 12.2994, 17.1626 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, 104, 112)` looks like.

```
.text, #text, p{  
    color:rgb(68, 104, 112)  
}
```

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, 104, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 104, 112) }
```

Border

The CSS property to change the border of an element to XYZ 10.2588, 12.2994, 17.1626 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, 104, 112) }
```


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

```
.border{ border-color:rgb(68, 104, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 104, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 104, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 104, 112);  
box-shadow:4px 4px 4px 4px rgb(68, 104,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2588, 12.2994, 17.1626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 104, 112) }
```

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

```
.background{ background-color: rgb(68, 104,  
112) }
```

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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