

Converting Colors

XYZ(10.6782, 12.4387, 13.1798)

Have a look what the booklet for
XYZ(10.6782, 12.4387, 13.1798)
contains.

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Color

**XYZ(10.6641, 12.4484,
13.1500)**

Conversions

Conversions Part 1

Format	Color
Hex	546761
RGB	84, 103, 97
RGB Percent	33%, 40%, 38%
CMY	0.6706, 0.5961, 0.6196
CMYK	0.18, 0.00, 0.06, 0.60
HSL	161°, 10%, 37%
HSV	161°, 18%, 40%
XYZ	10.6641, 12.4484, 13.1500
YIQ	96.6350, -9.3980, -5.8940

Conversions

Conversions Part 2

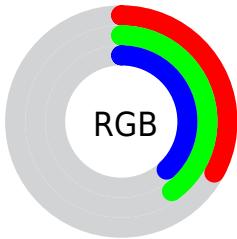
Format	Color
R_{YB}	84, 95, 103
Decimal	5531489
CIE _{Lab}	41.92, -8.50, 1.00
CIE _{LCh}	42, 8.558, 173.272
Y _{xy}	12.4484, 0.2941, 0.3433
Android (android.graphics.Color)	4283721569 (0xFF546761)
YUV	96.6350, 0.1799, -11.0809
Hunter-Lab	35.2823, -7.7922, 2.5997

Details

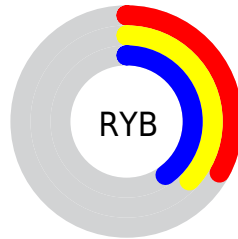
The XYZ color **10.6641, 12.4484, 13.1500** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.6098, 9.9628, 11.0373**, and the grayscale version is **11.2744, 11.8615, 12.9172**.

A 20% lighter version of the original color is **26.7324, 30.3177, 32.4599**, and **2.8484, 3.4987, 3.6572** is the 20% darker color. If you saturate the color by 10%, you get **9.6606, 11.9486, 12.3275**, and if you desaturate by 10%, it is **11.8101, 13.0216, 14.0122**.

Distribution



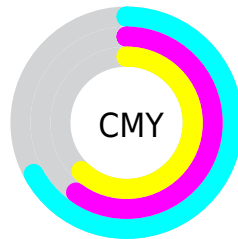
- Red (33%)
- Green (40%)
- Blue (38%)



- Red (33%)
- Yellow (37%)
- Blue (40%)



- Cyan (18%)
- Magenta (0%)
- Yellow (6%)
- Black (60%)



- Cyan (67%)
- Magenta (60%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.6641, 12.4484, 13.1500 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 10.6641, 12.4484, 13.1500 by changing the saturation by 10% instead.

■ 10.6641, 12.4484,
13.1500

■ 10.6641, 12.4484,
13.1500

189.3046,
207.3516, 223.1183

■ 5.9071, 7.0498,
7.4000

■ 26.6758, 30.3092,
32.2681

■ 2.8288, 3.4933,
3.6313

■ 38.6612, 43.5402,
46.4733

■ 1.0639, 1.3944,
1.4253

■ 53.7868, 60.1508,
64.3340

■ 0.0000, 0.2126,
0.1613

■ 72.4179, 80.5254,
86.2687

■ 0.0000, 0.0000,
0.0000

■ 94.9199, 105.0484,
112.6959

121.6581,

134.1042, 144.0342

152.9979,
168.0771, 180.7021

■ 10.6641, 12.4484,
13.1500

■ 10.6641, 12.4484,
13.1500

■ 9.6606, 11.9486,
12.3275

■ 11.8101, 13.0216,
14.0122

■ 8.7926, 11.5176,
11.5432

■ 13.1032, 13.6696,
14.9138

■ 8.0541, 11.1526,
10.7967

■ 14.5491, 14.3957,
15.8558

■ 7.4381, 10.8501,
10.0872

■ 16.1527, 15.2023,
16.8389

■ 6.9371, 10.6062,
9.4140

■ 17.9189, 16.0919,
17.8635

■ 6.5424, 10.4165,
8.7763

■ 19.8522, 17.0670,
18.9302

■ 6.2444, 10.2759,
8.1732

■ 21.9572, 18.1297,
20.0396

■ 6.0070, 10.1659,
7.6025

■ 24.2379, 19.2823,
21.1922

■ 5.9708, 10.1491,
7.5166

■ 26.6985, 20.5269,
22.3887

Harmonies

Analogous

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



10.8832, 12.4484, 11.5752



10.6641, 12.4484, 13.1500



10.7489, 12.4484, 14.9781

Triad

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



10.6641, 12.4484, 13.1500



12.3191, 12.4484, 17.0141



12.5745, 12.4484, 10.9487

Complementary

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



10.6641, 12.4484, 13.1500



10.6098, 9.9628, 11.0373

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.



12.9852, 12.4484, 12.2235



10.6641, 12.4484, 13.1500



12.8341, 12.4484, 15.7468

Square

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



10.6641, 12.4484, 13.1500



11.6898, 12.4484, 17.3179



13.0818, 12.4484, 13.9666



11.9750, 12.4484, 10.3796

Rectangle

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



10.6641, 12.4484, 13.1500



10.9678, 12.4484, 16.0859



13.0818, 12.4484, 13.9666



12.7401, 12.4484, 11.3031

Sweetspot

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



10.6645, 12.4489, 13.1503



21.6487, 23.5671, 25.4495



10.6690, 12.5156, 10.2412



5.2582, 5.7380, 6.1923



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



10.6645, 12.4489, 13.1503



18.3101, 21.8985, 22.9190



10.6157, 11.8865, 14.5674



2.8687, 3.1712, 3.4099



7.4956, 12.7619, 9.3715



38.6853, 66.3967, 46.7264

Inverse Universe

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



10.6098, 9.9628, 11.0373



18.1935, 16.5850, 18.4042



10.6416, 10.4190, 9.8379



2.8618, 2.8594, 3.1448



7.3596, 3.7568, 2.0259



38.0263, 19.4505, 8.6817

Previews

White Background



This preview shows how the XYZ color 10.6641, 12.4484, 13.1500 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 10.6641, 12.4484, 13.1500 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 10.6641, 12.4484, 13.1500

Background



This preview shows how black text looks on a background with the XYZ color 10.6641, 12.4484, 13.1500.



This preview shows how white text looks on a background with the XYZ color 10.6641, 12.4484,

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

10.6641, 12.4484, 13.1500

Protanopia

11.7549, 12.3102, 12.3462

Deuteranopia

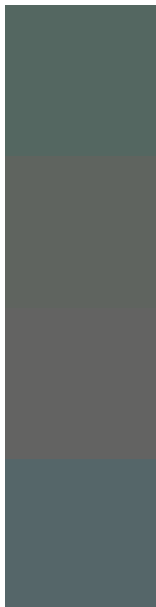
12.6193, 12.4547, 13.5433



Tritanopia

11.2517, 12.3899, 16.2665

Trichromacy



Original Color

10.6641, 12.4484, 13.1500

Protanomaly

11.3420, 12.3735, 12.6170

Deuteranomaly

11.8120, 12.4582, 13.3374

Tritanomaly

11.0475, 12.4540, 15.1862

Monochromacy



Original Color

10.6641, 12.4484, 13.1500

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.0331, 12.0621, 13.0560

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.6641, 12.4484, 13.1500 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(84, 103, 97) looks like.

```
.text, #text, p{  
    color:rgb(84, 103, 97)  
}
```

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(84, 103, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 103, 97) }
```

Border

The CSS property to change the border of an element to XYZ 10.6641, 12.4484, 13.1500 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(84, 103, 97) }
```


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

```
.border{ border-color:rgb(84, 103, 97) }
```

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

Here you see how a box with a 4 pixel rgb(84, 103, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 103, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 103, 97);  
box-shadow:4px 4px 4px 4px rgb(84, 103,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 10.6641, 12.4484, 13.1500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 103, 97) }
```

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

```
.background{ background-color: rgb(84, 103,  
97) }
```

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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