

Converting Colors

XYZ(10.6937, 12.6854, 13.2052)

Have a look what the booklet for
XYZ(10.6937, 12.6854, 13.2052)
contains.

XYZ(10.6753, 12.6027, 13.1792)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(10.6753, 12.6027,
13.1792)**

Conversions

Conversions Part 1

Format	Color
Hex	536861
RGB	83, 104, 97
RGB Percent	33%, 41%, 38%
CMY	0.6745, 0.5921, 0.6196
CMYK	0.20, 0.00, 0.07, 0.59
HSL	160°, 11%, 37%
HSV	160°, 20%, 41%
XYZ	10.6753, 12.6027, 13.1792
YIQ	96.9230, -10.2690, -6.6290

Conversions

Conversions Part 2

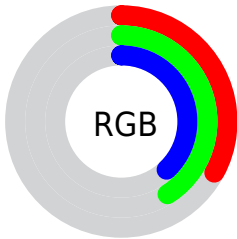
Format	Color
R_{YB}	83, 96, 104
Decimal	5466209
CIE _{Lab}	42.16, -9.44, 1.34
CIE _{LCh}	42, 9.537, 171.920
Yxy	12.6027, 0.2928, 0.3457
Android (android.graphics.Color)	4283656289 (0xFF536861)
YUV	96.9230, 0.0380, -12.2105
Hunter-Lab	35.5003, -8.4487, 2.8393

Details

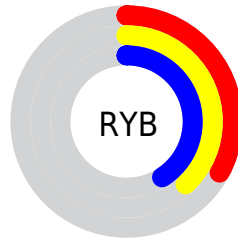
The XYZ color **10.6753, 12.6027, 13.1792** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.6481, 9.8682, 11.0170**, and the grayscale version is **11.3454, 11.9362, 12.9986**.

A 20% lighter version of the original color is **26.7395, 30.5674, 32.5077**, and **2.8236, 3.5586, 3.6700** is the 20% darker color. If you saturate the color by 10%, you get **9.6676, 12.1018, 12.3066**, and if you desaturate by 10%, it is **11.8285, 13.1784, 14.0960**.

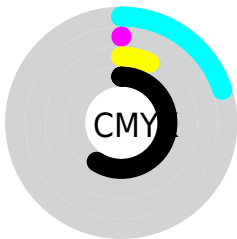
Distribution



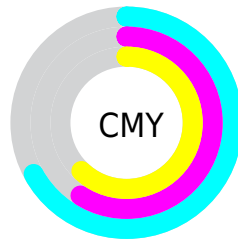
- Red (33%)
- Green (41%)
- Blue (38%)



- Red (33%)
- Yellow (38%)
- Blue (41%)



- Cyan (20%)
- Magenta (0%)
- Yellow (7%)
- Black (59%)



- Cyan (67%)
- Magenta (59%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.6753, 12.6027, 13.1792 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 10.6753, 12.6027, 13.1792 by changing the saturation by 10% instead.

■ 10.6753, 12.6027,
13.1792

■ 10.6753, 12.6027,
13.1792

189.3808,
208.3555, 223.3110

■ 5.9146, 7.1555,
7.4199

■ 26.6965, 30.5881,
32.3212

■ 2.8334, 3.5596,
3.6437

■ 38.6877, 43.8952,
46.5411

■ 1.0663, 1.4304,
1.4320

■ 53.8197, 60.5911,
64.4181

■ 0.0000, 0.2389,
0.1665

■ 72.4581, 81.0601,
86.3709

■ 0.0000, 0.0000,
0.0000

■ 94.9680, 105.6866,
112.8181

121.7148,

134.8551, 144.1781

153.0640,
168.9499, 180.8696

■ 10.6753, 12.6027,
13.1792

■ 10.6753, 12.6027,
13.1792

■ 9.6676, 12.1018,
12.3066

■ 11.8285, 13.1784,
14.0960

■ 8.7981, 11.6710,
11.4767

■ 13.1319, 13.8305,
15.0569

■ 8.0604, 11.3074,
10.6889

■ 14.5914, 14.5621,
16.0630

■ 7.4475, 11.0073,
9.9424

■ 16.2121, 15.3760,
17.1148

■ 6.9512, 10.7666,
9.2364

■ 17.9991, 16.2748,
18.2131

■ 6.5628, 10.5807,
8.5699

■ 19.9571, 17.2608,
19.3585

■ 6.2719, 10.4444,
7.9419

■ 22.0906, 18.3365,
20.5516

■ 6.0350, 10.3349,
7.3608

■ 24.4041, 19.5041,
21.7932

■ 26.9017, 20.7656,
23.0836

Harmonies

Analogous

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



10.9343, 12.6027, 11.4463



10.6753, 12.6027, 13.1792



10.7545, 12.6027, 15.2363

Triad

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



10.6753, 12.6027, 13.1792



12.4961, 12.6027, 17.6843



12.8416, 12.6027, 10.8653

Complementary

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



10.6753, 12.6027, 13.1792



10.6481, 9.8682, 11.0170

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.



13.2920, 12.6027, 12.3119



10.6753, 12.6027, 13.1792



13.0871, 12.6027, 16.2814

Square

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



10.6753, 12.6027, 13.1792



11.7874, 12.6027, 17.9751



13.3836, 12.6027, 14.2799



12.1717, 12.6027, 10.1994

Rectangle

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



10.6753, 12.6027, 13.1792



10.9898, 12.6027, 16.5077



13.3836, 12.6027, 14.2799



13.0248, 12.6027, 11.2691

Sweetspot

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



10.6757, 12.6032, 13.1795



21.6389, 23.5632, 25.3980



10.7627, 12.7170, 10.0713



5.2557, 5.7370, 6.1789



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.



10.6757, 12.6032, 13.1795



17.9051, 21.7003, 22.4254



10.7055, 12.1173, 14.8719



2.8668, 3.1705, 3.3999



7.4240, 12.7332, 8.9944



38.3027, 66.2436, 44.7118

Inverse Universe

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



10.6481, 9.8682, 11.0170



17.8481, 16.0112, 17.9288



10.6105, 10.2476, 9.6027



2.8636, 2.8601, 3.1544



7.3914, 3.7695, 2.1934



38.1801, 19.5120, 9.4918

Previews

White Background



This preview shows how the XYZ color 10.6753, 12.6027, 13.1792 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 10.6753, 12.6027, 13.1792 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

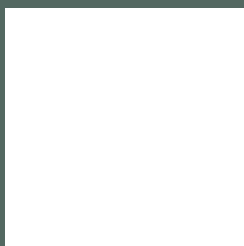
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.6753, 12.6027, 13.1792

Background



This preview shows how black text looks on a background with the XYZ color 10.6753, 12.6027, 13.1792.



This preview shows how white text looks on a background with the XYZ color 10.6753, 12.6027,

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

10.6753, 12.6027, 13.1792

Protanopia

11.9617, 12.5566, 12.3829

Deuteranopia

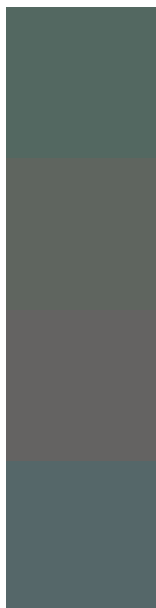
12.7417, 12.5178, 13.5490



Tritanopia

11.4036, 12.6070, 16.5842

Trichromacy



Original Color

10.6753, 12.6027, 13.1792

Protanomaly

11.4386, 12.5665, 12.6492

Deuteranomaly

11.9220, 12.5148, 13.3425

Tritanomaly

11.1464, 12.6517, 15.2191

Monochromacy



Original Color

10.6753, 12.6027, 13.1792

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.1285, 12.2527, 13.0877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.6753, 12.6027, 13.1792 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(83, 104, 97) looks like.

```
.text, #text, p{  
    color:rgb(83, 104, 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(83, 104, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 104, 97) }
```

Border

The CSS property to change the border of an element to XYZ 10.6753, 12.6027, 13.1792 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(83, 104, 97) }
```


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

```
.border{ border-color:rgb(83, 104, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 104, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 104, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 104, 97);  
box-shadow:4px 4px 4px 4px rgb(83, 104,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 10.6753, 12.6027, 13.1792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 104, 97) }
```

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

```
.background{ background-color: rgb(83, 104,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor