

Converting Colors

XYZ(15.6801, 17.6366, 20.2936)

Have a look what the booklet for
XYZ(15.6801, 17.6366, 20.2936)
contains.

XYZ(15.7002, 17.6726, 20.3530)	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(15.7002, 17.6726,
20.3530)**

Conversions

Conversions Part 1

Format	Color
Hex	677878
RGB	103, 120, 120
RGB Percent	40%, 47%, 47%
CMY	0.5961, 0.5294, 0.5294
CMYK	0.14, 0.00, 0.00, 0.53
HSL	180°, 8%, 44%
HSV	180°, 14%, 47%
XYZ	15.7002, 17.6726, 20.3530
YIQ	114.9170, -10.1320, -3.6040

Conversions

Conversions Part 2

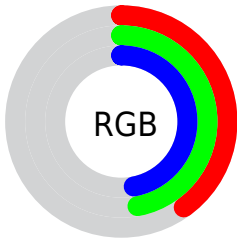
Format	Color
R_{YB}	103, 112, 120
Decimal	6781048
CIE _{Lab}	49.10, -6.25, -2.12
CIE _{LCh}	49, 6.596, 198.737
Yxy	17.6726, 0.2922, 0.3289
Android (android.graphics.Color)	4284971128 (0xFF677878)
YUV	114.9170, 2.5059, -10.4512
Hunter-Lab	42.0388, -6.9036, 0.7220

Details

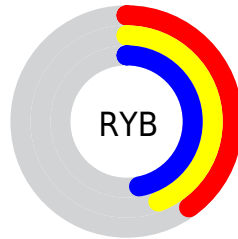
The XYZ color **15.7002, 17.6726, 20.3530** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.0448, 14.6734, 14.8721**, and the grayscale version is **16.2658, 17.1129, 18.6360**.

A 20% lighter version of the original color is **35.5253, 39.3536, 44.7533**, and **5.1180, 5.9434, 7.0083** is the 20% darker color. If you saturate the color by 10%, you get **14.4215, 17.0139, 20.2931**, and if you desaturate by 10%, it is **17.1776, 18.4347, 20.4229**.

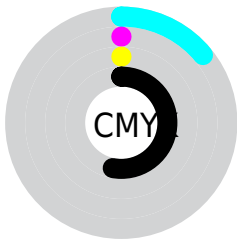
Distribution



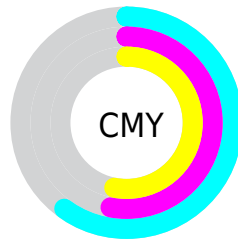
- Red (40%)
- Green (47%)
- Blue (47%)



- Red (40%)
- Yellow (44%)
- Blue (47%)



- Cyan (14%)
- Magenta (0%)
- Yellow (0%)
- Black (53%)



- Cyan (60%)
- Magenta (53%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7002, 17.6726, 20.3530 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 15.7002, 17.6726, 20.3530 by changing the saturation by 10% instead.

■ 15.7002, 17.6726,
20.3530

■ 15.7002, 17.6726,
20.3530

220.8714,
239.0191, 266.4869

■ 9.4018, 10.7152,
12.4653

■ 35.6386, 39.4786,
44.8749

■ 5.0633, 5.8757,
6.9350

■ 50.0093, 55.0961,
62.3463

■ 2.3196, 2.7696,
3.3437

■ 67.8014, 74.3690,
83.8492

■ 0.8047, 1.0127,
1.2727

■ 89.3804, 97.6817,
109.8023

■ 0.0000, 0.0000,
0.0392

115.1115,
125.4187, 140.6240

■ 0.0000, 0.0000,
0.0000

145.3602,

157.9643, 176.7330

180.4917,
195.7030, 218.5478

■ 15.7002, 17.6726,
20.3530

■ 15.7002, 17.6726,
20.3530

■ 14.4215, 17.0139,
20.2931

■ 17.1776, 18.4347,
20.4229

■ 13.3314, 16.4519,
20.2417

■ 18.8599, 19.3019,
20.5020

■ 12.4216, 15.9829,
20.1988

■ 20.7551, 20.2789,
20.5911

■ 11.6823, 15.6018,
20.1638

■ 22.8703, 21.3694,
20.6905

■ 11.1029, 15.3031,
20.1363

■ 25.2122, 22.5767,
20.8004

■ 10.6717, 15.0808,
20.1157

■ 27.7874, 23.9042,
20.9213

■ 10.3751, 14.9279,
20.1015

■ 30.6019, 25.3551,
21.0534

■ 10.1940, 14.8346,
20.0926

■ 33.6618, 26.9325,
21.1970

■ 10.1064, 14.7894,
20.0883

■ 36.9728, 28.6394,
21.3524

Harmonies

Analogous

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



15.6620, 17.6726, 18.5874



15.7002, 17.6726, 20.3530



16.0280, 17.6726, 21.9071

Triad

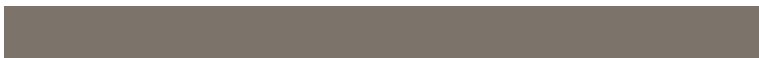
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



15.7002, 17.6726, 20.3530



17.7036, 17.6726, 21.5679



17.0297, 17.6726, 16.1032

Complementary

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



15.7002, 17.6726, 20.3530



15.0448, 14.6734, 14.8721

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.



17.5907, 17.6726, 16.8032



15.7002, 17.6726, 20.3530



17.9861, 17.6726, 19.9127

Square

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



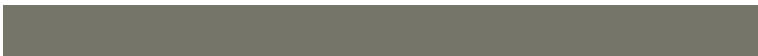
15.7002, 17.6726, 20.3530



17.1807, 17.6726, 22.6375



17.9443, 17.6726, 18.1731



16.4196, 17.6726, 16.2050

Rectangle

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



15.7002, 17.6726, 20.3530



16.3713, 17.6726, 22.5806



17.9443, 17.6726, 18.1731



17.2306, 17.6726, 16.2507

Sweetspot

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



15.7007, 17.6733, 20.3534



30.2301, 32.4317, 35.9194



14.7913, 17.3133, 15.3946



7.1220, 7.6642, 8.5106



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



15.7007, 17.6733, 20.3534



26.8450, 30.6866, 35.7601



14.7545, 15.7808, 20.0385



4.1071, 4.5124, 5.0976



11.0250, 16.1336, 21.9141



52.5900, 76.9590, 104.5314

Inverse Universe

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



15.0448, 14.6734, 14.8721



25.4574, 24.3396, 24.1632



15.9027, 16.3892, 15.1576



3.9983, 4.0151, 4.1888



8.4502, 4.3562, 0.3958



40.3082, 20.7796, 1.8871

Previews

White Background



This preview shows how the XYZ color 15.7002, 17.6726, 20.3530 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 15.7002, 17.6726, 20.3530 looks on a black 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

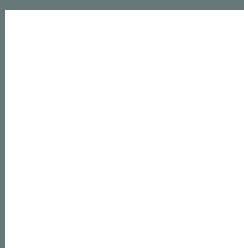
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.7002, 17.6726, 20.3530

Background



This preview shows how black text looks on a background with the XYZ color 15.7002, 17.6726, 20.3530.



This preview shows how white text looks on a background with the XYZ color 15.7002, 17.6726,

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

15.7002, 17.6726, 20.3530

Protanopia

16.9866, 17.6503, 19.6511

Deuteranopia

17.8138, 17.5507, 20.5379



Tritanopia

16.3188, 17.7554, 22.9891

Trichromacy



Original Color

15.7002, 17.6726, 20.3530

Protanomaly

16.5011, 17.5652, 19.9735

Deuteranomaly

17.0327, 17.6532, 20.5988

Tritanomaly

16.0074, 17.6174, 21.9588

Monochromacy



Original Color

15.7002, 17.6726, 20.3530

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.1277, 17.3864, 19.3355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7002, 17.6726, 20.3530 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(103, 120, 120)` looks like.

```
.text, #text, p{  
    color:rgb(103, 120, 120)  
}
```

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(103, 120, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 120, 120) }
```

Border

The CSS property to change the border of an element to XYZ 15.7002, 17.6726, 20.3530 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(103, 120, 120) }
```


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

```
.border{ border-color:rgb(103, 120, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 120, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 120, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 120, 120);  
box-shadow:4px 4px 4px 4px rgb(103, 120,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7002, 17.6726, 20.3530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 120, 120) }
```

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

```
.background{ background-color: rgb(103,  
120, 120) }
```

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