

# Converting Colors

XYZ(59.9958, 61.4937, 55.9600)

Have a look what the booklet for  
XYZ(59.9958, 61.4937, 55.9600)  
contains.

<b>XYZ(60.1444, 61.6719, 55.7476)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(60.1444, 61.6719,  
55.7476)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDCBBB
RGB	221, 203, 187
RGB Percent	87%, 80%, 73%
CMY	0.1333, 0.2039, 0.2667
CMYK	0.00, 0.08, 0.15, 0.13
HSL	28°, 33%, 80%
HSV	28°, 15%, 87%
XYZ	60.1444, 61.6719, 55.7476
YIQ	206.5580, 15.8640, -1.1600

# Conversions

## Conversions Part 2

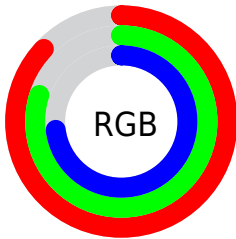
Format	Color
R <sub>Y</sub> B	221, 217, 187
Decimal	14535611
CIE Lab	82.74, 3.66, 10.24
CIE LCh	83, 10.875, 70.310
Yxy	61.6719, 0.3387, 0.3473
Android (android.graphics.Color)	4292725691 (0xFFDDCBBB)
YUV	206.5580, -9.6421, 12.6656
Hunter-Lab	78.5315, -0.7234, 12.8835

# Details

The XYZ color **60.1444, 61.6719, 55.7476** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **55.3757, 59.4467, 76.9630**, and the grayscale version is **59.0782, 62.1549, 67.6866**.

A 20% lighter version of the original color is **93.1777, 99.2511, 99.0404**, and **30.7764, 31.3231, 26.9781** is the 20% darker color. If you saturate the color by 10%, you get **55.2997, 55.4815, 43.3447**, and if you desaturate by 10%, it is **65.5651, 68.4304, 70.1403**.

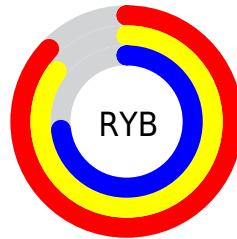
# Distribution



Red (87%)

Green (80%)

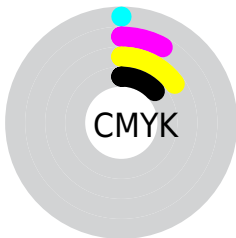
Blue (73%)



Red (87%)

Yellow (85%)

Blue (73%)

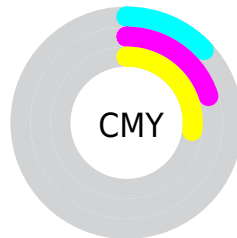


Cyan (0%)

Magenta (8%)

Yellow (15%)

Black (13%)



Cyan (13%)

Magenta (20%)

Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.1444, 61.6719, 55.7476 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 60.1444, 61.6719, 55.7476 by changing the saturation by 10% instead.




 60.1444, 61.6719,  
55.7476

 60.1444, 61.6719,  
55.7476

414.9560,  
430.7333, 426.1012

 43.7849, 44.7676,  
39.5980

 104.1443,  
107.2512, 100.1176

 30.6987, 31.2744,  
26.9138


132.5154,  
136.6950, 129.1749

 20.5202, 20.8079,  
17.2766


165.6211,  
171.0875, 163.3720

 12.8842, 12.9837,  
10.2679

203.8268,  
210.8130, 203.1273

 7.4253, 7.4173,  
5.4690

247.4977,  
256.2559, 248.8593

 3.7782, 3.7244,  
2.4615

296.9994,

 1.5774, 1.5206,

307.8007, 300.9866

0.8196

352.6970,  
365.8317, 359.9277

■ 0.3776, 0.3032,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.1444, 61.6719,  
55.7476

■ 60.1444, 61.6719,  
55.7476

■ 55.2997, 55.4815,  
43.3447

■ 65.5651, 68.4304,  
70.1403

■ 51.0047, 49.8350,  
32.8386

■ 71.5766, 75.7637,  
86.6021

■ 47.2386, 44.7188,  
24.1351

■ 78.1997, 83.6891,  
105.2128

■ 43.9769, 40.1151,  
17.1298

■ 81.9909, 90.8359,  
107.8194

■ 41.1931, 36.0052,  
11.7078

■ 83.6291, 94.1123,  
108.3655

■ 38.8575, 32.3687,  
7.7394

■ 36.9364, 29.1832,  
5.0742

■ 35.3893, 26.4233,  
3.5279

■ 34.7722, 25.2785,  
3.0466

# Harmonies

## Analogous

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



62.1111, 61.6719, 59.1641



60.1444, 61.6719, 55.7476



57.8167, 61.6719, 55.2678

# Triad

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



60.1444, 61.6719, 55.7476



54.3065, 61.6719, 69.4799



61.5726, 61.6719, 77.4496

# Complementary

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



60.1444, 61.6719, 55.7476



55.3757, 59.4467, 76.9630

# 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.



59.4252, 61.6719, 80.6242



60.1444, 61.6719, 55.7476



55.2570, 61.6719, 75.8244

# Square

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



60.1444, 61.6719, 55.7476



54.4874, 61.6719, 62.9068



57.1163, 61.6719, 80.0104



62.9507, 61.6719, 71.5803



# Rectangle

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



60.1444, 61.6719, 55.7476



56.3786, 61.6719, 56.6415



57.1163, 61.6719, 80.0104



60.9145, 61.6719, 78.8844

# Sweetspot

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



60.1461, 61.6746, 55.7489



90.9494, 94.9755, 97.7399



58.6254, 55.3278, 65.4322



19.3472, 20.1810, 20.5972



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

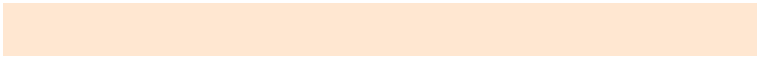


# Same Dimension

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



60.1461, 61.6746, 55.7489



81.2546, 82.8556, 72.0967



64.3473, 70.0771, 57.1493



13.5589, 14.0572, 13.7242



20.3110, 14.9076, 1.8069



1.4016, 1.1374, 0.1457

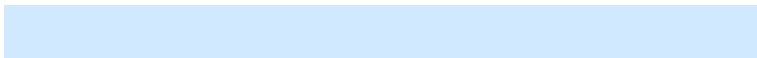


# Inverse Universe

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



55.3757, 59.4467, 76.9630



73.6235, 79.2912, 106.0321



51.5572, 51.8096, 75.6901



12.9063, 13.7524, 16.6264



11.3896, 10.6486, 41.1935

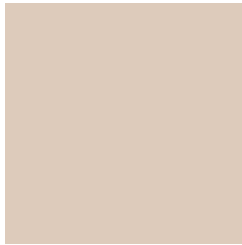


0.8239, 0.8619, 2.6974



# Previews

## White Background



This preview shows how the XYZ color 60.1444, 61.6719, 55.7476 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.1444, 61.6719, 55.7476 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

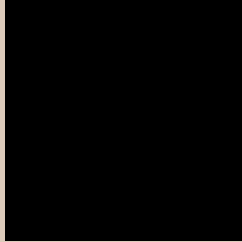
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 60.1444, 61.6719, 55.7476

## Background



This preview shows how black text looks on a background with the XYZ color 60.1444, 61.6719, 55.7476.



This preview shows how white text looks on a background with the XYZ color 60.1444, 61.6719,

55.7476.

# 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

60.1444, 61.6719, 55.7476

### Protanopia

58.6400, 61.5896, 56.3743

### Deuteranopia

63.1048, 61.8013, 56.1798



## Tritanopia

63.7405, 61.7607, 72.8515

# Trichromacy



## Original Color

60.1444, 61.6719, 55.7476

## Protanomaly

59.2852, 61.5683, 56.3362

## Deuteranomaly

62.0445, 61.5974, 56.1963

## Tritanomaly

62.4142, 61.5636, 66.3510

# Monochromacy



## Original Color

60.1444, 61.6719, 55.7476

## Achromatopsia

59.3074, 62.3960, 67.9493

## Achromatomaly

59.6480, 62.3098, 63.5268

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.1444, 61.6719, 55.7476 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(221, 203, 187)` looks like.

```
.text, #text, p{  
    color:rgb(221, 203, 187)  
}
```

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(221, 203, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 203, 187) }
```

## Border

The CSS property to change the border of an element to XYZ 60.1444, 61.6719, 55.7476 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(221, 203, 187) }
```



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

```
.border{ border-color:rgb(221, 203, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 203, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 203, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 203, 187); box-shadow:4px 4px 4px 4px rgb(221, 203, 187) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.1444, 61.6719, 55.7476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 203, 187) }
```

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

```
.background{ background-color: rgb(221,  
203, 187) }
```

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