

# Converting Colors

XYZ(56.2188, 65.7695, 46.7775)

Have a look what the booklet for  
XYZ(56.2188, 65.7695, 46.7775)  
contains.

<b>XYZ(56.2188, 65.7695, 46.7775)</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(56.2188, 65.7695,  
46.7775)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C8DBA8
RGB	200, 219, 168
RGB Percent	78%, 86%, 66%
CMY	0.2157, 0.1412, 0.3412
CMYK	0.09, 0.00, 0.23, 0.14
HSL	82°, 41%, 76%
HSV	82°, 23%, 86%
XYZ	56.2188, 65.7695, 46.7775
YIQ	207.5050, 5.0470, -19.8890

# Conversions

## Conversions Part 2

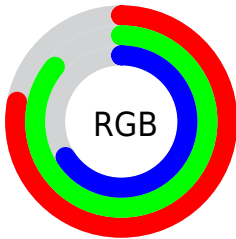
<b>Format</b>	<b>Color</b>
<b>RYB</b>	168, 219, 187
Decimal	13163432
CIELab	84.88, -15.11, 23.02
CIELCh	85, 27.534, 123.284
Yxy	65.7695, 0.3331, 0.3897
Android (android.graphics.Color)	4291353512 (0xFFC8DBA8)
YUV	207.5050, -19.4760, -6.5819
Hunter-Lab	81.0984, -18.1829, 22.5704

# Details

The XYZ color **56.2188, 65.7695, 46.7775** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **47.2849, 43.6863, 72.9615**, and the grayscale version is **59.7550, 62.8669, 68.4620**.

A 20% lighter version of the original color is **90.3193, 98.1077, 83.9884**, and **28.2819, 33.9229, 21.5801** is the 20% darker color. If you saturate the color by 10%, you get **52.2269, 63.9298, 36.8225**, and if you desaturate by 10%, it is **60.6742, 67.8124, 58.5505**.

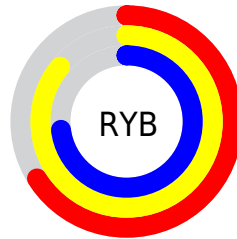
# Distribution



Red (78%)

Green (86%)

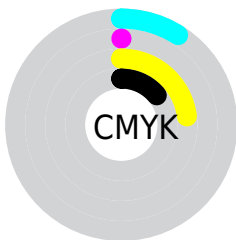
Blue (66%)



Red (66%)

Yellow (86%)

Blue (73%)

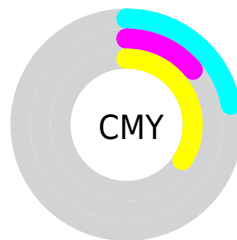


Cyan (9%)

Magenta (0%)

Yellow (23%)

Black (14%)



Cyan (22%)

Magenta (14%)

Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.2188, 65.7695, 46.7775 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 56.2188, 65.7695, 46.7775 by changing the saturation by 10% instead.



■ 56.2188, 65.7695,  
46.7775

■ 56.2188, 65.7695,  
46.7775

400.5772,  
445.5521, 390.2937

■ 40.6161, 48.0853,  
32.5067

■ 98.4624, 113.1554,  
86.7279

■ 28.2056, 33.8945,  
21.4808

■ 125.8339,  
143.6260, 113.2446

■ 18.6219, 22.8125,  
13.2813

157.8591,  
179.1274, 144.6803

■ 11.4998, 14.4551,  
7.4895

194.9033,  
220.0442, 181.4537

■ 6.4738, 8.4379,  
3.6870

237.3319,  
266.7606, 223.9831

■ 3.1786, 4.3764,  
1.4553


285.5101,


■ 1.2489, 1.8863,


319.6612, 272.6873


0.1843


339.8035,  
379.1302, 327.9846


 0.1445, 0.5401,  
0.0000

 0.0000, 0.0000,  
0.0000


 56.2188, 65.7695,  
46.7775


 56.2188, 65.7695,  
46.7775


 52.2269, 63.9298,  
36.8225


 60.6742, 67.8124,  
58.5505


 48.6742, 62.2769,  
28.5907

 65.6056, 70.0572,  
72.2217

 45.5421, 60.8052,  
21.9849

 71.0316, 72.5136,  
87.8715

 42.8080, 59.5055,  
16.8966

 76.8704, 75.1492,  
105.0615

■ 40.4469, 58.3676,  
13.2042

■ 79.5911, 76.5518,  
105.1888

■ 38.4301, 57.3797,  
10.7673

■ 82.4366, 78.0186,  
105.3220

■ 36.7235, 56.5281,  
9.4162

■ 84.6228, 79.1457,  
105.4243

■ 35.7153, 56.0180,  
8.9302

# Harmonies

## Analogous

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



61.8341, 65.7695, 42.7415



56.2188, 65.7695, 46.7775



52.4931, 65.7695, 57.3844

# Triad

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



56.2188, 65.7695, 46.7775



57.3237, 65.7695, 106.4891



75.1329, 65.7695, 69.6812

# Complementary

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



56.2188, 65.7695, 46.7775



47.2849, 43.6863, 72.9615

# 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.



73.7307, 65.7695, 88.0155



56.2188, 65.7695, 46.7775



63.1947, 65.7695, 111.2146

# Square

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



56.2188, 65.7695, 46.7775



53.1009, 65.7695, 91.9444



69.2580, 65.7695, 103.9710



72.9739, 65.7695, 54.5222



# Rectangle

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



56.2188, 65.7695, 46.7775



51.4443, 65.7695, 67.7076



69.2580, 65.7695, 103.9710



75.0629, 65.7695, 75.6633

# Sweetspot

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



56.2205, 65.7724, 46.7789



89.9032, 97.6635, 94.3482



53.9904, 53.3029, 44.4896



19.1515, 20.8624, 19.9397



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

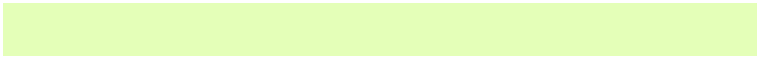


# Same Dimension

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



56.2205, 65.7724, 46.7789



76.4904, 91.5227, 58.7620



50.0358, 62.5840, 46.4895



13.6675, 15.0089, 13.9022



21.3012, 33.2786, 5.3007



1.4741, 2.2045, 0.3478



# Inverse Universe

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



47.2849, 43.6863, 72.9615



61.7441, 55.0667, 101.9824



54.0003, 47.1482, 73.2757



12.7948, 12.8523, 16.4585



9.7359, 4.1432, 40.0250

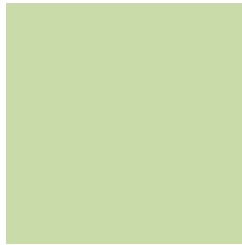


0.7242, 0.3166, 2.5974



# Previews

## White Background



This preview shows how the XYZ color 56.2188, 65.7695, 46.7775 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 56.2188, 65.7695, 46.7775 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

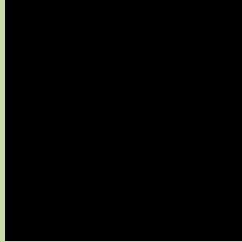
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 56.2188, 65.7695, 46.7775**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.2188, 65.7695, 46.7775.



This preview shows how white text looks on a background with the XYZ color 56.2188, 65.7695,



# 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

56.2188, 65.7695, 46.7775

### Protanopia

61.3591, 65.4376, 44.5187

### Deuteranopia

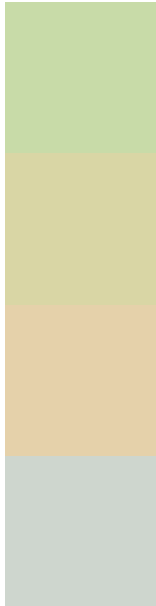
66.7127, 65.2450, 47.6055



## Tritanopia

63.5924, 65.7453, 82.7372

# Trichromacy



## Original Color

56.2188, 65.7695, 46.7775

## Protanomaly

59.4534, 65.5615, 45.1184

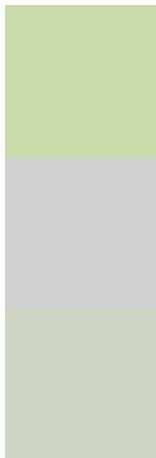
## Deuteranomaly

62.3693, 65.1612, 47.3204

## Tritanomaly

60.6407, 65.6712, 67.8722

# Monochromacy



## Original Color

56.2188, 65.7695, 46.7775

## Achromatopsia

59.9535, 63.0757, 68.6895

## Achromatomaly

58.3460, 63.9164, 59.7140

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.2188, 65.7695, 46.7775 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(200, 219, 168)` looks like.

```
.text, #text, p{  
    color:rgb(200, 219, 168)  
}
```

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(200, 219, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 219, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 56.2188, 65.7695, 46.7775 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(200, 219, 168) }
```



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

```
.border{ border-color:rgb(200, 219, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 219, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 219, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 219, 168);  
box-shadow:4px 4px 4px 4px rgb(200, 219,  
168) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.2188, 65.7695, 46.7775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 219, 168) }
```

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

```
.background{ background-color: rgb(200,  
219, 168) }
```

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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