

Converting Colors

XYZ(41.1489, 51.9641, 36.5347)

Have a look what the booklet for
XYZ(41.1489, 51.9641, 36.5347)
contains.

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Color

**XYZ(41.1228, 51.9167,
36.7077)**

Conversions

Conversions Part 1

Format	Color
Hex	A0CA96
RGB	160, 202, 150
RGB Percent	63%, 79%, 59%
CMY	0.3725, 0.2078, 0.4118
CMYK	0.21, 0.00, 0.26, 0.21
HSL	108°, 33%, 69%
HSV	108°, 26%, 79%
XYZ	41.1228, 51.9167, 36.7077
YIQ	183.5140, -8.3400, -25.0760

Conversions

Conversions Part 2

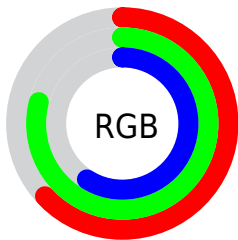
Format	Color
RYB	150, 202, 192
Decimal	10537622
CIELab	77.23, -23.69, 21.55
CIELCh	77, 32.023, 137.713
Yxy	51.9167, 0.3169, 0.4001
Android (android.graphics.Color)	4288727702 (0xFFA0CA96)
YUV	183.5140, -16.5224, -20.6218
Hunter-Lab	72.0532, -24.2182, 20.2318

Details

The XYZ color **41.1228, 51.9167, 36.7077** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.3074, 37.2849, 60.7941**, and the grayscale version is **45.3846, 47.7482, 51.9977**.

A 20% lighter version of the original color is **74.6834, 90.3267, 70.6253**, and **19.0264, 25.2688, 15.6790** is the 20% darker color. If you saturate the color by 10%, you get **36.5841, 49.7505, 28.7239**, and if you desaturate by 10%, it is **46.3728, 54.4202, 46.1907**.

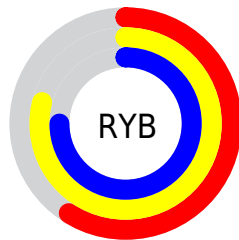
Distribution



Red (63%)

Green (79%)

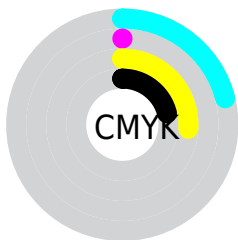
Blue (59%)



Red (59%)

Yellow (79%)

Blue (75%)

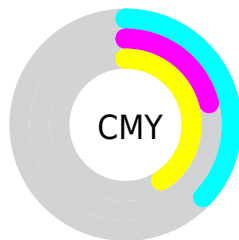


Cyan (21%)

Magenta (0%)

Yellow (26%)

Black (21%)



Cyan (37%)

Magenta (21%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.1228, 51.9167, 36.7077 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 41.1228, 51.9167, 36.7077 by changing the saturation by 10% instead.

■ 41.1228, 51.9167,
36.7077

■ 41.1228, 51.9167,
36.7077

341.8874,
394.1149, 347.1738

■ 28.6031, 36.9387,
24.6872

■ 76.1438, 93.0084,
71.3043

■ 18.9236, 25.1600,
15.6273

■ 99.3759, 119.8908,
94.7175

■ 11.7188, 16.1963,
9.1093

126.9094,
151.5102, 122.7654

■ 6.6233, 9.6632,
4.7148

159.1099,
188.2509, 155.8665

■ 3.2719, 5.1762,
2.0251

196.3425,
230.4974, 194.4393

■ 1.2991, 2.3510,
0.5706

238.9728,

■ 0.1826, 0.8005,

278.6339, 238.9025

0.0000

287.3660,
333.0450, 289.6745

■ 0.0000, 0.0000,
0.0000

■ 41.1228, 51.9167,
36.7077

■ 41.1228, 51.9167,
36.7077

■ 36.5841, 49.7505,
28.7239

■ 46.3728, 54.4202,
46.1907

■ 32.7217, 47.9007,
22.1593

■ 52.3590, 57.2679,
57.2405

■ 29.5037, 46.3541,
16.9318

■ 59.1101, 60.4744,
69.9248

■ 26.8939, 45.0941,
12.9494

■ 66.6521, 64.0520,
84.3063

■ 24.8523, 44.1024,
10.1085

■ 75.0096, 68.0119,
100.4444

■ 23.3340, 43.3584,
8.2886

■ 80.4116, 70.7232,
104.0205

■ 22.2858, 42.8379,
7.3409

■ 21.9523, 42.6714,
7.0794

Harmonies

Analogous

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



45.8426, 51.9167, 30.0669



41.1228, 51.9167, 36.7077



38.6932, 51.9167, 49.6393

Triad

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



41.1228, 51.9167, 36.7077



46.8772, 51.9167, 96.3813



61.4571, 51.9167, 46.8602

Complementary

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



41.1228, 51.9167, 36.7077



43.3074, 37.2849, 60.7941

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.



61.7923, 51.9167, 64.0273



41.1228, 51.9167, 36.7077



53.0220, 51.9167, 95.2048

Square

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



41.1228, 51.9167, 36.7077



41.8260, 51.9167, 85.3857



58.5966, 51.9167, 82.4432



57.7157, 51.9167, 35.0380

Rectangle

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



41.1228, 51.9167, 36.7077



38.5543, 51.9167, 61.1849



58.5966, 51.9167, 82.4432



61.9824, 51.9167, 52.1145

Sweetspot

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



41.1242, 51.9189, 36.7088



86.1333, 95.7628, 92.2390



48.6263, 52.2848, 36.3841



18.0975, 20.3362, 19.1158



0.0000, 0.0000, 0.0000



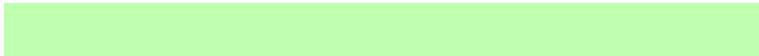
20.3446, 21.4041, 23.3091

Same Dimension

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



41.1242, 51.9189, 36.7088



65.1151, 85.7484, 54.1675



40.5461, 51.4660, 43.6825



11.2661, 12.6390, 11.9252



14.1825, 27.4866, 4.5580



0.7932, 1.4497, 0.2380

Inverse Universe

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



43.3074, 37.2849, 60.7941



69.4329, 56.7414, 101.9004



44.1709, 37.9328, 51.6734



11.4679, 11.2905, 14.1452



16.6723, 7.8024, 36.5836



0.9158, 0.4312, 1.8899

Previews

White Background



This preview shows how the XYZ color 41.1228, 51.9167, 36.7077 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 41.1228, 51.9167, 36.7077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

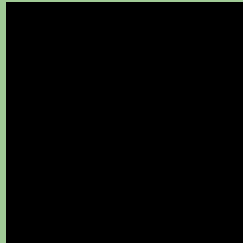
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.1228, 51.9167, 36.7077

Background



This preview shows how black text looks on a background with the XYZ color 41.1228, 51.9167, 36.7077.



This preview shows how white text looks on a background with the XYZ color 41.1228, 51.9167,

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

41.1228, 51.9167, 36.7077

Protanopia

48.0761, 51.5370, 33.7993

Deuteranopia

52.5850, 51.5722, 37.7548



Tritanopia

47.5022, 51.7828, 68.4642

Trichromacy



Original Color

41.1228, 51.9167, 36.7077

Protanomaly

44.9736, 51.2237, 34.7109

Deuteranomaly

47.7164, 51.2689, 37.5180

Tritanomaly

44.7692, 51.6703, 55.1907

Monochromacy



Original Color

41.1228, 51.9167, 36.7077

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

43.7564, 49.3541, 46.2498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.1228, 51.9167, 36.7077 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(160, 202, 150)` looks like.

```
.text, #text, p{  
    color:rgb(160, 202, 150)  
}
```

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(160, 202, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 202, 150) }
```

Border

The CSS property to change the border of an element to XYZ 41.1228, 51.9167, 36.7077 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(160, 202, 150) }
```


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

```
.border{ border-color:rgb(160, 202, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 202, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 202, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 202, 150);  
box-shadow:4px 4px 4px 4px rgb(160, 202,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 41.1228, 51.9167, 36.7077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 202, 150) }
```

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

```
.background{ background-color: rgb(160,  
202, 150) }
```

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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