

Converting Colors

XYZ(38.2256, 36.7187, 56.7025)

Have a look what the booklet for
XYZ(38.2256, 36.7187, 56.7025)
contains.

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Color

**XYZ(38.2256, 36.7187,
56.7025)**

Conversions

Conversions Part 1

Format	Color
Hex	A89EC3
RGB	168, 158, 195
RGB Percent	66%, 62%, 76%
CMY	0.3412, 0.3804, 0.2353
CMYK	0.14, 0.19, 0.00, 0.24
HSL	256°, 24%, 69%
HSV	256°, 19%, 76%
XYZ	38.2256, 36.7187, 56.7025
YIQ	165.2080, -5.9170, 13.6270

Conversions

Conversions Part 2

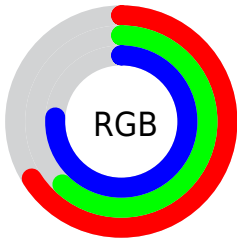
Format	Color
RYB	168, 158, 195
Decimal	11050691
CIELab	67.07, 11.03, -17.69
CIELCh	67, 20.848, 301.940
Yxy	36.7187, 0.2904, 0.2789
Android (android.graphics.Color)	4289240771 (0xFFA89EC3)
YUV	165.2080, 14.6875, 2.4486
Hunter-Lab	60.5960, 6.5598, -13.0633

Details

The XYZ color **38.2256, 36.7187, 56.7025** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **45.6956, 51.8141, 39.9422**, and the grayscale version is **35.7987, 37.6630, 41.0150**.

A 20% lighter version of the original color is **71.7964, 70.3047, 101.8816**, and **17.2679, 16.1515, 27.4067** is the 20% darker color. If you saturate the color by 10%, you get **32.2942, 29.1096, 55.5470**, and if you desaturate by 10%, it is **45.0186, 45.5573, 58.0511**.

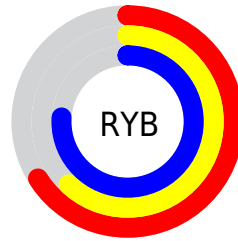
Distribution



Red (66%)

Green (62%)

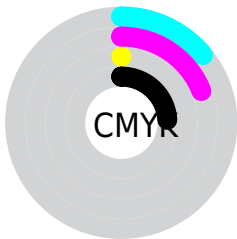
Blue (76%)



Red (66%)

Yellow (62%)

Blue (76%)

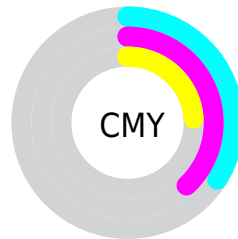


Cyan (14%)

Magenta (19%)

Yellow (0%)

Black (24%)



Cyan (34%)

Magenta (38%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2256, 36.7187, 56.7025 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 38.2256, 36.7187, 56.7025 by changing the saturation by 10% instead.

■ 38.2256, 36.7187,
56.7025

■ 38.2256, 36.7187,
56.7025

329.8509,
332.0910, 429.7961

■ 26.3358, 24.9898,
40.3587

■ 71.7555, 70.1399,
101.5270

■ 17.2090, 16.0694,
27.5024

■ 94.1263, 92.6010,
130.8447

■ 10.4799, 9.5733,
17.7151

120.7215,
119.4083, 165.3242

■ 5.7830, 5.1170,
10.5783

151.9064,
150.9461, 205.3839

■ 2.7530, 2.3161,
5.6735

188.0465,
187.5989, 251.4424

■ 1.0245, 0.7822,
2.5820

229.5070,

■ 0.0000, 0.0000,

229.7511, 303.9182

0.8831

276.6534,
277.7870, 363.2299

■ 0.0000, 0.0000,
0.0000

■ 38.2256, 36.7187,
56.7025

■ 38.2256, 36.7187,
56.7025

■ 32.2942, 29.1096,
55.5470

■ 45.0186, 45.5573,
58.0511

■ 27.1856, 22.6703,
54.5733

■ 52.7032, 55.6725,
59.5985

■ 22.8629, 17.3429,
53.7729

■ 61.3119, 67.1143,
61.3532

■ 19.2848, 13.0626,
53.1353

■ 70.8748, 79.9289,
63.3227

■ 16.4064, 9.7579,
52.6491

■ 81.2593, 93.8379,
65.4601

■ 14.1771, 7.3479,
52.3014

■ 86.2589, 96.4152,
65.6940

■ 12.5389, 5.7381,
52.0771

■ 86.8504, 96.7202,
65.7217

■ 11.4019, 4.7723,
51.9506

■ 11.3026, 4.6888,
51.9397

Harmonies

Analogous

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



35.1068, 36.7187, 60.0920



38.2256, 36.7187, 56.7025



40.5610, 36.7187, 48.7687

Triad

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



38.2256, 36.7187, 56.7025



37.8470, 36.7187, 26.4674



29.1548, 36.7187, 40.5744

Complementary

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



38.2256, 36.7187, 56.7025



45.6956, 51.8141, 39.9422

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.



29.7919, 36.7187, 32.3169



38.2256, 36.7187, 56.7025



34.6941, 36.7187, 24.9462

Square

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



38.2256, 36.7187, 56.7025



40.3333, 36.7187, 31.4367



31.7731, 36.7187, 26.9189



29.9780, 36.7187, 49.9468

Rectangle

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



38.2256, 36.7187, 56.7025



41.2909, 36.7187, 42.4788



31.7731, 36.7187, 26.9189



29.2051, 36.7187, 37.5820

Sweetspot

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



38.2267, 36.7202, 56.7033



84.4251, 86.5714, 104.7301



41.3290, 45.9642, 58.3241



18.2931, 18.7021, 22.8957



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.



38.2267, 36.7202, 56.7033



63.6202, 59.5256, 100.6062



42.4173, 38.8805, 56.8994



9.7780, 9.8767, 12.6759



7.4158, 3.0834, 33.7609



0.3888, 0.1685, 1.4619

Inverse Universe

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



43.4908, 39.5602, 51.2445



74.9369, 65.6358, 88.6562



41.5469, 49.6754, 39.7481



10.3774, 10.1996, 12.0778



17.8524, 8.8307, 17.6667



0.7989, 0.3926, 0.9083

Previews

White Background



This preview shows how the XYZ color 38.2256, 36.7187, 56.7025 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 38.2256, 36.7187, 56.7025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

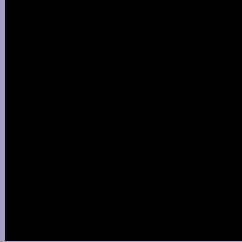
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.2256, 36.7187, 56.7025

Background



This preview shows how black text looks on a background with the XYZ color 38.2256, 36.7187, 56.7025.



This preview shows how white text looks on a background with the XYZ color 38.2256, 36.7187,

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

38.2256, 36.7187, 56.7025

Protanopia

36.6309, 36.8864, 58.6152

Deuteranopia

37.5583, 36.6289, 56.7203



Tritanopia

36.0774, 36.8960, 45.2646

Trichromacy



Original Color

38.2256, 36.7187, 56.7025

Protanomaly

37.3201, 36.9945, 57.9970

Deuteranomaly

37.7655, 36.7357, 56.7300

Tritanomaly

36.9143, 36.9741, 49.4471

Monochromacy



Original Color

38.2256, 36.7187, 56.7025

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.4827, 37.0822, 46.3090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2256, 36.7187, 56.7025 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(168, 158, 195)` looks like.

```
.text, #text, p{  
    color:rgb(168, 158, 195)  
}
```

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(168, 158, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 158, 195) }
```

Border

The CSS property to change the border of an element to XYZ 38.2256, 36.7187, 56.7025 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(168, 158, 195) }
```


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

```
.border{ border-color:rgb(168, 158, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 158, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 158, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 158, 195);  
box-shadow:4px 4px 4px 4px rgb(168, 158,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2256, 36.7187, 56.7025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 158, 195) }
```

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

```
.background{ background-color: rgb(168,  
158, 195) }
```

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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