

Converting Colors

XYZ(36.7722, 38.9609, 62.2813)

Have a look what the booklet for
XYZ(36.7722, 38.9609, 62.2813)
contains.

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Color

**XYZ(36.8313, 39.0810,
62.1021)**

Conversions

Conversions Part 1

Format	Color
Hex	91AACB
RGB	145, 170, 203
RGB Percent	57%, 67%, 80%
CMY	0.4314, 0.3333, 0.2039
CMYK	0.29, 0.16, 0.00, 0.20
HSL	214°, 36%, 68%
HSV	214°, 29%, 80%
XYZ	36.8313, 39.0810, 62.1021
YIQ	166.2870, -25.4930, 4.9630

Conversions

Conversions Part 2

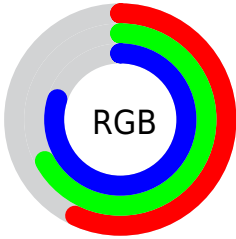
Format	Color
RYB	145, 162, 203
Decimal	9546443
CIELab	68.81, -1.03, -19.64
CIELCh	69, 19.665, 266.989
Yxy	39.0810, 0.2669, 0.2832
Android (android.graphics.Color)	4287736523 (0xFF91AACB)
YUV	166.2870, 18.0995, -18.6687
Hunter-Lab	62.5148, -4.2356, -15.1382

Details

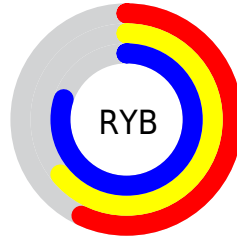
The XYZ color **36.8313, 39.0810, 62.1021** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **45.6605, 46.5821, 33.3739**, and the grayscale version is **36.3093, 38.2002, 41.6000**.

A 20% lighter version of the original color is **68.7946, 73.3498, 105.1398**, and **16.4174, 17.4539, 30.9374** is the 20% darker color. If you saturate the color by 10%, you get **31.4981, 33.2583, 61.2600**, and if you desaturate by 10%, it is **42.9963, 45.6168, 63.0394**.

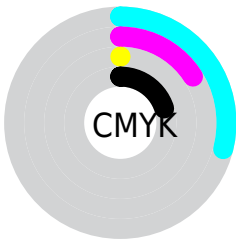
Distribution



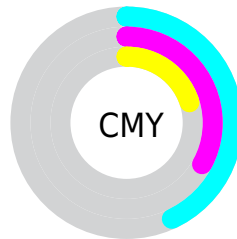
- Red (57%)
- Green (67%)
- Blue (80%)



- Red (57%)
- Yellow (64%)
- Blue (80%)



- Cyan (29%)
- Magenta (16%)
- Yellow (0%)
- Black (20%)



- Cyan (43%)
- Magenta (33%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8313, 39.0810, 62.1021 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 36.8313, 39.0810, 62.1021 by changing the saturation by 10% instead.

■ 36.8313, 39.0810,
62.1021

■ 36.8313, 39.0810,
62.1021

323.9478,
342.2347, 450.3213

■ 25.2500, 26.8227,
44.6789

■ 69.6288, 73.7620,
109.4461

■ 16.3931, 17.4401,
30.8635

■ 91.5756, 96.9536,
140.2040

■ 9.8954, 10.5488,
20.2373

117.7084,
124.5584, 176.2438

■ 5.3914, 5.7643,
12.3819

148.3923,
156.9609, 217.9841

■ 2.5158, 2.7023,
6.8786

183.9929,
194.5453, 265.8435

■ 0.9032, 0.9784,
3.3090

224.8754,

■ 0.0000, 0.0000,

237.6962, 320.2405

1.2545

271.4053,
286.7979, 381.5936

■ 0.0000, 0.0000,
0.0241

■ 0.0000, 0.0000,
0.0000

■ 36.8313, 39.0810,
62.1021

■ 36.8313, 39.0810,
62.1021

■ 31.4981, 33.2583,
61.2600

■ 42.9963, 45.6168,
63.0394

■ 26.9542, 28.1167,
60.5070

■ 50.0257, 52.8866,
64.0721

■ 23.1585, 23.6284,
59.8408

■ 57.9546, 60.9162,
65.2041

■ 20.0644, 19.7617,
59.2575

■ 66.8151, 69.7287,
66.4380

■ 17.6194, 16.4811,
58.7531

■ 76.6376, 79.3460,
67.7767

■ 15.7628, 13.7467,
58.3232

■ 82.9743, 87.4813,
69.0130

■ 14.4013, 11.5013,
57.9615

■ 86.4702, 94.4730,
70.1782

■ 14.2288, 11.2103,
57.9145

■ 87.7796, 97.0918,
70.6147

Harmonies

Analogous

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



33.9743, 39.0810, 58.6334



36.8313, 39.0810, 62.1021



39.9327, 39.0810, 59.7572

Triad

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



36.8313, 39.0810, 62.1021



42.7471, 39.0810, 35.2274



32.3419, 39.0810, 33.8680

Complementary

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



36.8313, 39.0810, 62.1021



45.6605, 46.5821, 33.3739

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.



34.4908, 39.0810, 29.0145



36.8313, 39.0810, 62.1021



40.5078, 39.0810, 29.7188

Square

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



36.8313, 39.0810, 62.1021



43.4589, 39.0810, 43.4608



37.4611, 39.0810, 27.6078



31.4749, 39.0810, 41.6571

Rectangle

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



36.8313, 39.0810, 62.1021



41.7033, 39.0810, 55.3706



37.4611, 39.0810, 27.6078



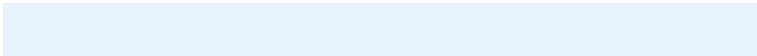
32.9322, 39.0810, 31.8832

Sweetspot

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



36.8325, 39.0826, 62.1030



83.0800, 87.8544, 107.1865



41.0564, 51.9415, 49.9121



17.3937, 18.4056, 22.8858



0.0000, 0.0000, 0.0000



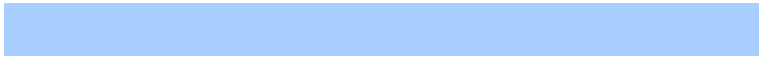
20.3446, 21.4041, 23.3091

Same Dimension

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



36.8325, 39.0826, 62.1030



56.2550, 59.5629, 103.1396



33.2761, 30.9408, 60.7189



10.9928, 11.6260, 14.2350



9.1418, 7.3076, 36.8850



0.5465, 0.5268, 1.9278

Inverse Universe

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



42.0107, 35.8507, 42.7375



66.3989, 53.8165, 65.0722



50.0562, 56.9173, 35.1371



11.4097, 11.2926, 12.6922



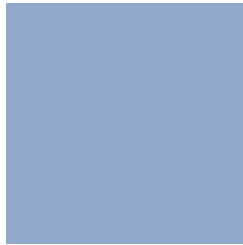
16.8253, 8.5407, 6.7985



0.9058, 0.4557, 0.5498

Previews

White Background



This preview shows how the XYZ color 36.8313, 39.0810, 62.1021 looks on a white background.

Color Contrast Check

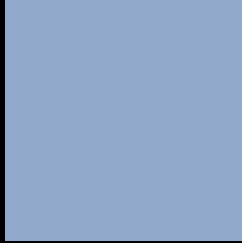
Large Text (above 18pt) WCAG AA × Fail

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 36.8313, 39.0810, 62.1021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

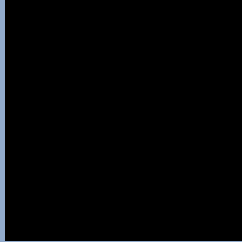
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

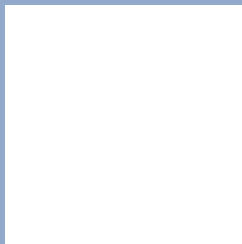
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8313, 39.0810, 62.1021

Background



This preview shows how black text looks on a background with the XYZ color 36.8313, 39.0810, 62.1021.



This preview shows how white text looks on a background with the XYZ color 36.8313, 39.0810,

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

36.8313, 39.0810, 62.1021

Protanopia

38.5587, 38.9162, 60.1229

Deuteranopia

39.6916, 38.9099, 62.5451



Tritanopia

34.8977, 39.1377, 52.7287

Trichromacy



Original Color

36.8313, 39.0810, 62.1021

Protanomaly

37.8789, 38.8230, 60.7555

Deuteranomaly

38.6359, 38.9012, 62.5991

Tritanomaly

35.5335, 39.1061, 56.1275

Monochromacy



Original Color

36.8313, 39.0810, 62.1021

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.0560, 38.1612, 48.1133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8313, 39.0810, 62.1021 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(145, 170, 203)` looks like.

```
.text, #text, p{  
    color:rgb(145, 170, 203)  
}
```

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(145, 170, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 170, 203) }
```

Border

The CSS property to change the border of an element to XYZ 36.8313, 39.0810, 62.1021 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(145, 170, 203) }
```


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

```
.border{ border-color:rgb(145, 170, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 170, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 170, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 170, 203);  
box-shadow:4px 4px 4px 4px rgb(145, 170,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8313, 39.0810, 62.1021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 170, 203) }
```

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

```
.background{ background-color: rgb(145,  
170, 203) }
```

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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