

Converting Colors

XYZ(29.8610, 38.3966, 21.1672)

Have a look what the booklet for
XYZ(29.8610, 38.3966, 21.1672)
contains.

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Color

**XYZ(29.8021, 38.3649,
21.1637)**

Conversions

Conversions Part 1

Format	Color
Hex	8EB170
RGB	142, 177, 112
RGB Percent	56%, 69%, 44%
CMY	0.4431, 0.3059, 0.5608
CMYK	0.20, 0.00, 0.37, 0.31
HSL	92°, 29%, 57%
HSV	92°, 37%, 69%
XYZ	29.8021, 38.3649, 21.1637
YIQ	159.1250, 0.0050, -27.6350

Conversions

Conversions Part 2

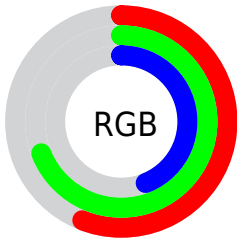
Format	Color
RYB	112, 177, 147
Decimal	9351536
CIELab	68.29, -23.63, 29.47
CIELCh	68, 37.776, 128.723
Yxy	38.3649, 0.3336, 0.4295
Android (android.graphics.Color)	4287541616 (0xFF8EB170)
YUV	159.1250, -23.2326, -15.0186
Hunter-Lab	61.9394, -22.5088, 23.0991

Details

The XYZ color **29.8021, 38.3649, 21.1637** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **25.7642, 20.9668, 44.2861**, and the grayscale version is **33.1157, 34.8403, 37.9410**.

A 20% lighter version of the original color is **58.8657, 72.8285, 46.0767**, and **12.3213, 16.9478, 7.3245** is the 20% darker color. If you saturate the color by 10%, you get **27.3461, 37.2028, 16.4004**, and if you desaturate by 10%, it is **32.5937, 39.6799, 26.9556**.

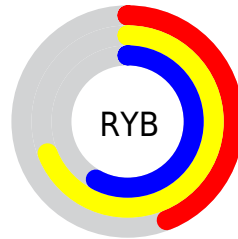
Distribution



Red (56%)

Green (69%)

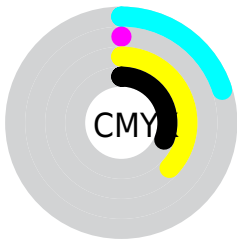
Blue (44%)



Red (44%)

Yellow (69%)

Blue (58%)

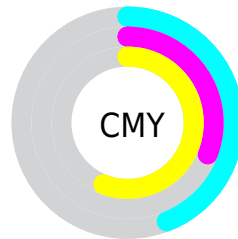


Cyan (20%)

Magenta (0%)

Yellow (37%)

Black (31%)



Cyan (44%)

Magenta (31%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8021, 38.3649, 21.1637 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 29.8021, 38.3649, 21.1637 by changing the saturation by 10% instead.

■ 29.8021, 38.3649,
21.1637

■ 29.8021, 38.3649,
21.1637

292.9073,
339.1827, 270.9568

■ 19.8357, 26.2660,
13.0513

■ 58.7378, 72.6671,
46.2441

■ 12.3833, 17.0228,
7.3327

■ 78.4380, 95.6392,
64.0493

■ 7.0793, 10.2507,
3.5895

■ 102.1134,
123.0045, 85.9224

■ 3.5585, 5.5655,
1.4029

■ 130.1294,
155.1474, 112.2820

■ 1.4555, 2.5827,
0.1440

162.8515,
192.4522, 143.5468

■ 0.2953, 0.9180,
0.0000

200.6449,

■ 0.0000, 0.0000,

235.3035, 180.1351

0.0000

243.8751,
284.0855, 222.4656

■ 29.8021, 38.3649,
21.1637

■ 29.8021, 38.3649,
21.1637

■ 27.3461, 37.2028,
16.4004

■ 32.5937, 39.6799,
26.9556

■ 25.2078, 36.1824,
12.6029

■ 35.7319, 41.1488,
33.8290

■ 23.3721, 35.2983,
9.7056


■ 39.2304, 42.7788,
41.8361


■ 21.8209, 34.5429,
7.6336


■ 43.1017, 44.5751,
51.0248


■ 20.5339, 33.9075,
6.2997


■ 47.3573, 46.5429,
61.4406


 19.4838, 33.3810,
5.5828

 52.0084, 48.6867,
73.1264

 19.1755, 33.2257,
5.4026

 57.0654, 51.0113,
86.1229

 62.5386, 53.5209,
100.4693

 65.6998, 55.1248,
101.7851

Harmonies

Analogous

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



34.7667, 38.3649, 17.1385



29.8021, 38.3649, 21.1637



26.8593, 38.3649, 31.0318

Triad

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



29.8021, 38.3649, 21.1637



32.4909, 38.3649, 80.0745



48.9027, 38.3649, 37.0248

Complementary

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



29.8021, 38.3649, 21.1637



25.7642, 20.9668, 44.2861

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.



48.1240, 38.3649, 54.7440



29.8021, 38.3649, 21.1637



38.2170, 38.3649, 82.9534

Square

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



29.8021, 38.3649, 21.1637



28.2909, 38.3649, 65.6439



44.0529, 38.3649, 72.6904



46.0782, 38.3649, 24.5290

Rectangle

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



29.8021, 38.3649, 21.1637



26.2342, 38.3649, 41.0510



44.0529, 38.3649, 72.6904



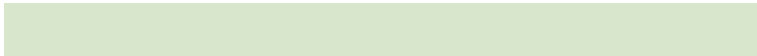
49.0594, 38.3649, 42.5031

Sweetspot

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



29.8031, 38.3666, 21.1645



67.3786, 75.2722, 68.2650



31.4395, 31.2823, 19.7109



14.4238, 16.2297, 14.3866



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



29.8031, 38.3666, 21.1645



49.7951, 67.0161, 30.9129



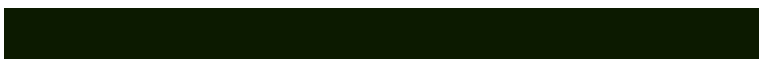
25.4522, 36.1095, 21.5984



8.7492, 9.6758, 9.0590



13.9612, 24.1073, 3.9174



0.5068, 0.7933, 0.1264

Inverse Universe

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



25.7642, 20.9668, 44.2861



41.5041, 31.3142, 78.3520



31.6486, 24.0251, 43.4429



8.4644, 8.4479, 10.6908



9.2635, 4.1113, 30.4423



0.3579, 0.1636, 0.9610

Previews

White Background



This preview shows how the XYZ color 29.8021, 38.3649, 21.1637 looks on a white background.

Color Contrast Check

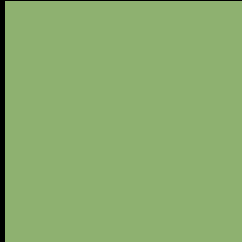
Large Text (above 18pt) WCAG AA × Fail

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 29.8021, 38.3649, 21.1637 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 29.8021, 38.3649, 21.1637

Background



This preview shows how black text looks on a background with the XYZ color 29.8021, 38.3649, 21.1637.



This preview shows how white text looks on a background with the XYZ color 29.8021, 38.3649,

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

29.8021, 38.3649, 21.1637

Protanopia

35.3990, 38.1789, 19.6909

Deuteranopia

38.8392, 38.0630, 21.8228



Tritanopia

35.3950, 38.0581, 49.7364

Trichromacy



Original Color

29.8021, 38.3649, 21.1637

Protanomaly

33.0714, 38.0691, 20.0730

Deuteranomaly

35.0908, 37.9752, 21.7001

Tritanomaly

32.8615, 37.8560, 37.4733

Monochromacy



Original Color

29.8021, 38.3649, 21.1637

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.6556, 35.9977, 30.8710

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8021, 38.3649, 21.1637 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(142, 177, 112)` looks like.

```
.text, #text, p{  
    color:rgb(142, 177, 112)  
}
```

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(142, 177, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 177, 112) }
```

Border

The CSS property to change the border of an element to XYZ 29.8021, 38.3649, 21.1637 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(142, 177, 112) }
```


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

```
.border{ border-color:rgb(142, 177, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 177, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 177, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 177, 112);  
box-shadow:4px 4px 4px 4px rgb(142, 177,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8021, 38.3649, 21.1637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 177, 112) }
```

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

```
.background{ background-color: rgb(142,  
177, 112) }
```

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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