

Converting Colors

XYZ(21.9239, 36.5350, 10.6234)

Have a look what the booklet for
XYZ(21.9239, 36.5350, 10.6234)
contains.

XYZ(21.9682, 36.6661, 10.6220)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.9682, 36.6661,
10.6220)**

Conversions

Conversions Part 1

Format	Color
Hex	57B83F
RGB	87, 184, 63
RGB Percent	34%, 72%, 25%
CMY	0.6588, 0.2784, 0.7529
CMYK	0.53, 0.00, 0.66, 0.28
HSL	108°, 49%, 48%
HSV	108°, 66%, 72%
XYZ	21.9682, 36.6661, 10.6220
YIQ	141.2030, -18.9710, -58.1950

Conversions

Conversions Part 2

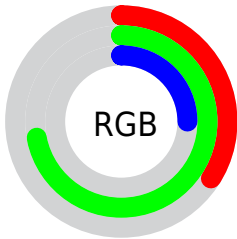
Format	Color
RYB	63, 184, 160
Decimal	5748799
CIELab	67.03, -51.02, 51.08
CIELCh	67, 72.197, 134.968
Yxy	36.6661, 0.3172, 0.5294
Android (android.graphics.Color)	4283938879 (0xFF57B83F)
YUV	141.2030, -38.5541, -47.5360
Hunter-Lab	60.5525, -41.2079, 31.9862

Details

The XYZ color **21.9682, 36.6661, 10.6220** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **24.9283, 14.4905, 46.8324**, and the grayscale version is **25.5500, 26.8806, 29.2730**.

A 20% lighter version of the original color is **46.2847, 70.1913, 27.6318**, and **8.1963, 16.0754, 2.6709** is the 20% darker color. If you saturate the color by 10%, you get **20.2984, 35.8562, 8.2939**, and if you desaturate by 10%, it is **24.0930, 37.6929, 13.8698**.

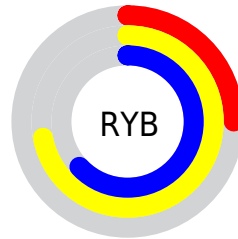
Distribution



Red (34%)

Green (72%)

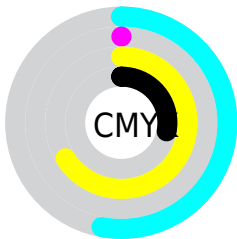
Blue (25%)



Red (25%)

Yellow (72%)

Blue (63%)

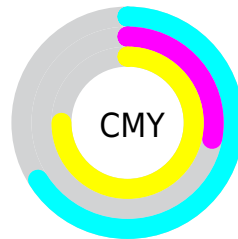


Cyan (53%)

Magenta (0%)

Yellow (66%)

Black (28%)



Cyan (66%)


Magenta (28%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.9682, 36.6661, 10.6220 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 21.9682, 36.6661, 10.6220 by changing the saturation by 10% instead.


 21.9682, 36.6661,
10.6220


 21.9682, 36.6661,
10.6220


255.0156,
331.8627, 205.6990


 13.9500, 24.9491,
5.7023


 46.1727, 70.0589,
27.5849


 8.1674, 16.0391,
2.5991


 63.0897, 92.5036,
40.4652


 4.2549, 9.5518,
0.8920


 83.7036, 119.2928,
56.8362

 1.8473, 5.1028,
0.0000

 108.3800,
150.8111, 77.1162

 0.5460, 2.3077,
0.0000

 137.4840,
187.4429, 101.7240

 0.0000, 0.7778,
0.0000

171.3810,

 0.0000, 0.0000,

229.5724, 131.0781

0.0000

210.4364,
277.5842, 165.5969

■ 21.9682, 36.6661,
10.6220

■ 21.9682, 36.6661,
10.6220

■ 20.2984, 35.8562,
8.2939

■ 24.0930, 37.6929,
13.8698

■ 19.0459, 35.2425,
6.7879

■ 26.7015, 38.9463,
18.1170

■ 18.1697, 34.8077,
5.9850

■ 29.8229, 40.4409,
23.4374

■ 17.8861, 34.6665,
5.7486

■ 33.4833, 42.1888,
29.8971

■ 37.7069, 44.2010,
37.5569

■ 42.5167, 46.4881,
46.4735

■ 47.9340, 49.0601,
56.6997

■ 53.9793, 51.9264,
68.2854

■ 60.6721, 55.0960,
81.2780

Harmonies

Analogous

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



29.6812, 36.6661, 5.3823



21.9682, 36.6661, 10.6220



18.1909, 36.6661, 26.2165

Triad

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



21.9682, 36.6661, 10.6220



29.6610, 36.6661, 131.2925



59.4556, 36.6661, 26.2654

Complementary

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



21.9682, 36.6661, 10.6220



24.9283, 14.4905, 46.8324

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.



59.4470, 36.6661, 57.7283



21.9682, 36.6661, 10.6220



40.5865, 36.6661, 131.3308

Square

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



21.9682, 36.6661, 10.6220



21.9561, 36.6661, 99.6368



51.9823, 36.6661, 99.7239



52.0038, 36.6661, 10.6416

Rectangle

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



21.9682, 36.6661, 10.6220



17.7775, 36.6661, 45.3864



51.9823, 36.6661, 99.7239



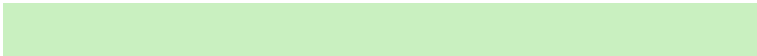
60.3689, 36.6661, 34.9169

Sweetspot

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



21.9691, 36.6677, 10.6228



64.7191, 78.3935, 61.4503



33.2021, 35.6233, 9.8292



13.4980, 16.6836, 12.4258



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



21.9691, 36.6677, 10.6228



35.6692, 64.4463, 13.6153



21.4580, 36.2460, 17.7458



9.0523, 10.1436, 9.5877



12.3736, 23.9152, 3.9639



0.4861, 0.8688, 0.1421

Inverse Universe

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



24.9283, 14.4905, 46.8324



41.2350, 21.1604, 84.1156



26.8676, 15.8749, 29.5422



9.2017, 9.0704, 11.3452



14.3765, 6.7226, 31.7929



0.5519, 0.2602, 1.1229

Previews

White Background



This preview shows how the XYZ color 21.9682, 36.6661, 10.6220 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 21.9682, 36.6661, 10.6220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

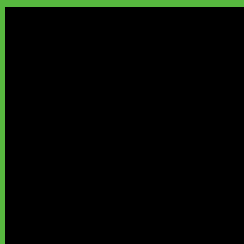
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.9682, 36.6661, 10.6220

Background



This preview shows how black text looks on a background with the XYZ color 21.9682, 36.6661, 10.6220.



This preview shows how white text looks on a background with the XYZ color 21.9682, 36.6661,

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

21.9682, 36.6661, 10.6220

Protanopia

32.7149, 35.9598, 9.0876

Deuteranopia

36.8456, 36.0097, 11.3119



Tritanopia

30.1710, 36.4297, 51.8958

Trichromacy



Original Color

21.9682, 36.6661, 10.6220



Protanomaly

27.1968, 35.2683, 9.5117



Deuteranomaly

29.0265, 34.8135, 10.8200



Tritanomaly

25.8125, 35.7985, 30.7486

Monochromacy



Original Color

21.9682, 36.6661, 10.6220



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

22.9228, 29.3711, 20.0838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9682, 36.6661, 10.6220 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(87, 184, 63)` looks like.

```
.text, #text, p{  
    color:rgb(87, 184, 63)  
}
```

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(87, 184, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 184, 63) }
```

Border

The CSS property to change the border of an element to XYZ 21.9682, 36.6661, 10.6220 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(87, 184, 63) }
```


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

```
.border{ border-color:rgb(87, 184, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 184, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 184, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 184, 63);  
box-shadow:4px 4px 4px 4px rgb(87, 184,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9682, 36.6661, 10.6220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 184, 63) }
```

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

```
.background{ background-color: rgb(87, 184,  
63) }
```

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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