

Converting Colors

XYZ(21.1130, 36.5029, 19.8136)

Have a look what the booklet for
XYZ(21.1130, 36.5029, 19.8136)
contains.

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Color

**XYZ(21.2090, 36.6929,
19.8745)**

Conversions

Conversions Part 1

Format	Color
Hex	2BBA6B
RGB	43, 186, 107
RGB Percent	17%, 73%, 42%
CMY	0.8314, 0.2706, 0.5804
CMYK	0.77, 0.00, 0.42, 0.27
HSL	147°, 62%, 45%
HSV	147°, 77%, 73%
XYZ	21.2090, 36.6929, 19.8745
YIQ	134.2370, -59.8690, -54.8850

Conversions

Conversions Part 2

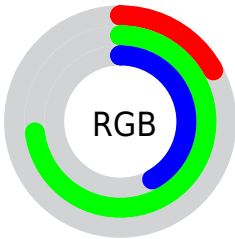
Format	Color
RYB	43, 142, 186
Decimal	2865771
CIELab	67.05, -54.69, 29.73
CIELCh	67, 62.246, 151.468
Yxy	36.6929, 0.2727, 0.4718
Android (android.graphics.Color)	4281055851 (0xFF2BBA6B)
YUV	134.2370, -13.4278, -80.0148
Hunter-Lab	60.5747, -43.5075, 22.9493

Details

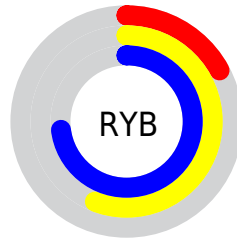
The XYZ color **21.2090, 36.6929, 19.8745** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **24.6276, 13.5728, 19.7357**, and the grayscale version is **22.8118, 23.9998, 26.1358**.

A 20% lighter version of the original color is **44.8641, 69.9839, 43.9445**, and **8.8800, 16.5381, 6.7271** is the 20% darker color. If you saturate the color by 10%, you get **20.0908, 36.1763, 17.1663**, and if you desaturate by 10%, it is **22.7487, 37.4214, 22.9395**.

Distribution



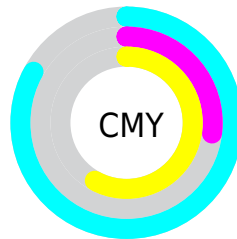
- Red (17%)
- Green (73%)
- Blue (42%)



- Red (17%)
- Yellow (56%)
- Blue (73%)



- Cyan (77%)
- Magenta (0%)
- Yellow (42%)
- Black (27%)




- Cyan (83%)
- Magenta (27%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.2090, 36.6929, 19.8745 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 21.2090, 36.6929, 19.8745 by changing the saturation by 10% instead.


 21.2090, 36.6929,
19.8745


 21.2090, 36.6929,
19.8745


251.0979,
331.9790, 263.8166


 13.3902, 24.9698,
12.1207


 44.9238, 70.1002,
44.0629


 7.7766, 16.0546,
6.7024


 61.5504, 92.5532,
61.3345


 4.0029, 9.5628,
3.2011


 81.8438, 119.3517,
82.6158

 1.7038, 5.1100,
1.1982

 106.1691,
150.8799, 108.3254

 0.4586, 2.3120,
0.0000

 134.8919,
187.5224, 138.8817

 0.0000, 0.7800,
0.0000

168.3773,

 0.0000, 0.0000,

229.6635, 174.7033

0.0000

206.9909,
277.6875, 216.2088

■ 21.2090, 36.6929,
19.8745

■ 21.2090, 36.6929,
19.8745

■ 20.0908, 36.1763,
17.1663

■ 22.7487, 37.4214,
22.9395

■ 19.3301, 35.8357,
14.7977

■ 24.7521, 38.3803,
26.3720

■ 19.1304, 35.7474,
14.1249

■ 27.2590, 39.5908,
30.1853

■ 30.3039, 41.0706,
34.3910

■ 33.9182, 42.8356,
39.0006

■ 38.1308, 44.9004,
44.0246

■ 42.9686, 47.2788,
49.4734

■ 48.4568, 49.9835,
55.3570

■ 54.6190, 53.0266,
61.6849

Harmonies

Analogous

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



26.2140, 36.6929, 9.9522



21.2090, 36.6929, 19.8745



19.6662, 36.6929, 41.3021

Triad

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



21.2090, 36.6929, 19.8745



35.3437, 36.6929, 117.9567



52.8089, 36.6929, 18.4580

Complementary

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



21.2090, 36.6929, 19.8745



24.6276, 13.5728, 19.7357

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.



56.4081, 36.6929, 38.6323



21.2090, 36.6929, 19.8745



45.2612, 36.6929, 102.9104

Square

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



21.2090, 36.6929, 19.8745



26.8871, 36.6929, 105.4392



53.4259, 36.6929, 70.3661



44.3075, 36.6929, 9.4330

Rectangle

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



21.2090, 36.6929, 19.8745



20.5362, 36.6929, 62.2169



53.4259, 36.6929, 70.3661



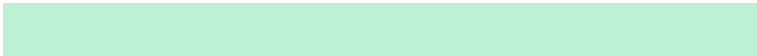
54.6947, 36.6929, 23.7558

Sweetspot

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



21.2099, 36.6944, 19.8753



64.0226, 78.8858, 73.7885



26.3132, 39.5814, 8.5390



13.5170, 17.0871, 15.5407



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



21.2099, 36.6944, 19.8753



35.4399, 65.1304, 28.1954



26.4390, 38.7860, 47.4114



9.0529, 10.1251, 10.4360



12.9065, 24.0635, 9.6954



0.4862, 0.8608, 0.5064

Inverse Universe

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



24.6276, 13.5728, 19.7357



41.8638, 21.3685, 27.7089



21.7465, 12.4203, 4.5638



9.2066, 9.0930, 10.4356



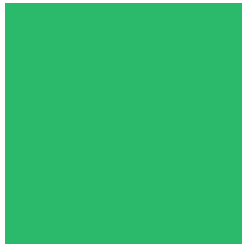
15.3005, 7.6939, 9.4690



0.5701, 0.2835, 0.4954

Previews

White Background



This preview shows how the XYZ color 21.2090, 36.6929, 19.8745 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 21.2090, 36.6929, 19.8745 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

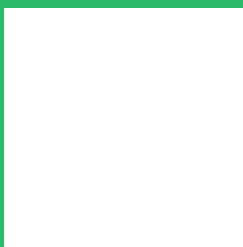
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.2090, 36.6929, 19.8745

Background



This preview shows how black text looks on a background with the XYZ color 21.2090, 36.6929, 19.8745.



This preview shows how white text looks on a background with the XYZ color 21.2090, 36.6929,

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

21.2090, 36.6929, 19.8745

Protanopia

33.2564, 36.0696, 16.7646

Deuteranopia

36.7509, 35.9951, 20.9303



Tritanopia

28.1538, 36.4745, 54.8466

Trichromacy



Original Color

21.2090, 36.6929, 19.8745



Protanomaly

25.8140, 34.6546, 17.6404



Deuteranomaly

26.9867, 33.8234, 20.1451



Tritanomaly

24.9132, 36.3388, 38.9587

Monochromacy



Original Color

21.2090, 36.6929, 19.8745



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

20.3962, 27.0044, 23.2062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2090, 36.6929, 19.8745 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(43, 186, 107)` looks like.

```
.text, #text, p{  
    color:rgb(43, 186, 107)  
}
```

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(43, 186, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 186, 107) }
```

Border

The CSS property to change the border of an element to XYZ 21.2090, 36.6929, 19.8745 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(43, 186, 107) }
```


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

```
.border{ border-color:rgb(43, 186, 107) }
```

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

Here you see how a box with a 4 pixel rgb(43, 186, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 186, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 186, 107);  
box-shadow:4px 4px 4px 4px rgb(43, 186,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2090, 36.6929, 19.8745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 186, 107) }
```

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

```
.background{ background-color: rgb(43, 186,  
107) }
```

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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