

Converting Colors

XYZ(21.5966, 39.3879, 18.2985)

Have a look what the booklet for
XYZ(21.5966, 39.3879, 18.2985)
contains.

XYZ(21.6691, 39.5490, 18.2960)	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(21.6691, 39.5490,
18.2960)**

Conversions

Conversions Part 1

Format	Color
Hex	0AC263
RGB	10, 194, 99
RGB Percent	4%, 76%, 39%
CMY	0.9608, 0.2392, 0.6118
CMYK	0.95, 0.00, 0.49, 0.24
HSL	149°, 90%, 40%
HSV	149°, 95%, 76%
XYZ	21.6691, 39.5490, 18.2960
YIQ	128.1540, -79.1690, -68.5530

Conversions

Conversions Part 2

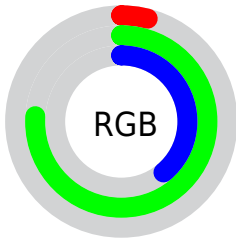
Format	Color
RYB	10, 134, 194
Decimal	705123
CIELab	69.15, -61.57, 36.44
CIElCh	69, 71.542, 149.378
Yxy	39.5490, 0.2725, 0.4974
Android (android.graphics.Color)	4278895203 (0xFF0AC263)
YUV	128.1540, -14.3729, -103.6211
Hunter-Lab	62.8880, -48.5489, 26.7724

Details

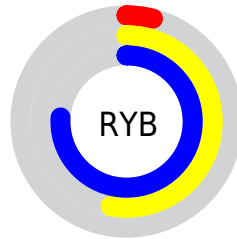
The XYZ color **21.6691, 39.5490, 18.2960** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **24.9079, 12.7072, 14.5070**, and the grayscale version is **20.6408, 21.7157, 23.6484**.

A 20% lighter version of the original color is **45.7631, 74.6219, 41.2697**, and **9.7870, 18.6870, 5.9969** is the 20% darker color. If you saturate the color by 10%, you get **21.3055, 39.3903, 17.0311**, and if you desaturate by 10%, it is **22.5722, 39.9569, 20.9962**.

Distribution



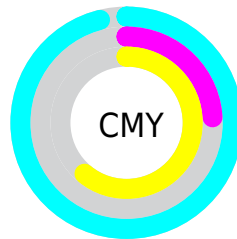
- Red (4%)
- Green (76%)
- Blue (39%)



- Red (4%)
- Yellow (53%)
- Blue (76%)



- Cyan (95%)
- Magenta (0%)
- Yellow (49%)
- Black (24%)





- Cyan (96%)
- Magenta (24%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.6691, 39.5490, 18.2960 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 21.6691, 39.5490, 18.2960 by changing the saturation by 10% instead.


 21.6691, 39.5490,
18.2960


 21.6691, 39.5490,
18.2960


253.4783,
344.2190, 254.8261


 13.7292, 27.1871,
10.9911


 45.6814, 74.4763,
41.3618


 8.0130, 17.7138,
5.9467


 62.4845, 97.8104,
57.9597


 4.1551, 10.7447,
2.7445


 82.9728, 125.5707,
78.4924

 1.7903, 5.8954,
0.9657

 107.5115,
158.1416, 103.3784

 0.5118, 2.7816,
0.0000

 136.4661,
195.9075, 133.0362

 0.0000, 1.0188,
0.0000

170.2018,

 0.0000, 0.0000,

239.2528, 167.8844

0.0000

209.0841,
288.5618, 208.3415

■ 21.6691, 39.5490,
18.2960

■ 21.6691, 39.5490,
18.2960

■ 21.3055, 39.3903,
17.0311

■ 22.5722, 39.9569,
20.9962

■ 23.8819, 40.5661,
24.0355

■ 25.6571, 41.4080,
27.4276

■ 27.9455, 42.5069,
31.1847

■ 30.7889, 43.8842,
35.3178

■ 34.2244, 45.5588,
39.8379

■ 38.2857, 47.5479,
44.7552

■ 43.0041, 49.8673,
50.0794

■ 48.4086, 52.5320,
55.8201

Harmonies

Analogous

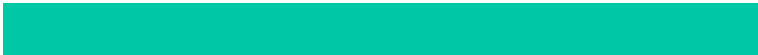
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



27.8046, 39.5490, 8.2013



21.6691, 39.5490, 18.2960



19.6153, 39.5490, 42.3827

Triad

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



21.6691, 39.5490, 18.2960



37.3521, 39.5490, 141.6730



60.1835, 39.5490, 18.9728

Complementary

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



21.6691, 39.5490, 18.2960



24.9079, 12.7072, 14.5070

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.



64.1340, 39.5490, 43.7488



21.6691, 39.5490, 18.2960



49.4382, 39.5490, 124.5155

Square

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



21.6691, 39.5490, 18.2960



27.4681, 39.5490, 123.1343



59.8576, 39.5490, 83.7483



49.9358, 39.5490, 8.4295

Rectangle

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



21.6691, 39.5490, 18.2960



20.4327, 39.5490, 67.5108



59.8576, 39.5490, 83.7483



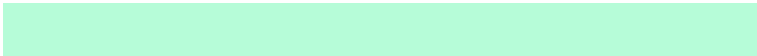
62.3741, 39.5490, 25.3688

Sweetspot

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



21.6701, 39.5506, 18.2969



66.5762, 84.7756, 77.7884



25.1816, 41.6147, 6.9926



13.8796, 18.2223, 16.1820



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.



21.6701, 39.5506, 18.2969



38.4712, 71.3115, 30.1831



28.8149, 42.4085, 55.9208



10.1428, 11.3382, 11.7555



14.0483, 25.9134, 11.4133



0.6418, 1.1336, 0.6765

Inverse Universe

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



24.9079, 12.7072, 14.5070



44.3606, 22.4006, 23.2267



22.4308, 11.7163, 1.4625



10.2854, 10.1628, 11.5937



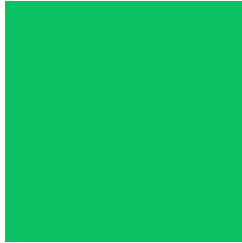
16.1868, 8.1645, 8.8957



0.7341, 0.3666, 0.5672

Previews

White Background



This preview shows how the XYZ color 21.6691, 39.5490, 18.2960 looks on a white background.

Color Contrast Check

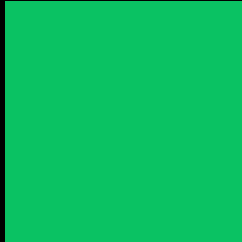
Large Text (above 18pt) WCAG AA × Fail

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 21.6691, 39.5490, 18.2960 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 21.6691, 39.5490, 18.2960

Background



This preview shows how black text looks on a background with the XYZ color 21.6691, 39.5490, 18.2960.



This preview shows how white text looks on a background with the XYZ color 21.6691, 39.5490,

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

21.6691, 39.5490, 18.2960

Protanopia

35.6153, 38.9338, 15.3107

Deuteranopia

39.6347, 38.7809, 19.5838



Tritanopia

29.9506, 39.4000, 59.4525

Trichromacy



Original Color

21.6691, 39.5490, 18.2960



Protanomaly

25.5831, 36.2995, 16.0141



Deuteranomaly

26.8180, 35.4305, 18.7899



Tritanomaly

25.6572, 38.8531, 40.3295

Monochromacy



Original Color

21.6691, 39.5490, 18.2960



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

18.1854, 25.6721, 20.8264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6691, 39.5490, 18.2960 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(10, 194, 99)` looks like.

```
.text, #text, p{  
    color:rgb(10, 194, 99)  
}
```

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(10, 194, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 194, 99) }
```

Border

The CSS property to change the border of an element to XYZ 21.6691, 39.5490, 18.2960 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(10, 194, 99) }
```


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

```
.border{ border-color:rgb(10, 194, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 194, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 194, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 194, 99);  
box-shadow:4px 4px 4px 4px rgb(10, 194,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6691, 39.5490, 18.2960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 194, 99) }
```

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

```
.background{ background-color: rgb(10, 194,  
99) }
```

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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