

Converting Colors

XYZ(19.6522, 36.7996, 10.8335)

Have a look what the booklet for
XYZ(19.6522, 36.7996, 10.8335)
contains.

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Color

**XYZ(19.5736, 36.6826,
10.7515)**

Conversions

Conversions Part 1

Format	Color
Hex	23BC3F
RGB	35, 188, 63
RGB Percent	14%, 74%, 25%
CMY	0.8627, 0.2627, 0.7529
CMYK	0.81, 0.00, 0.66, 0.26
HSL	131°, 69%, 44%
HSV	131°, 81%, 74%
XYZ	19.5736, 36.6826, 10.7515
YIQ	128.0030, -51.0630, -71.3110

Conversions

Conversions Part 2

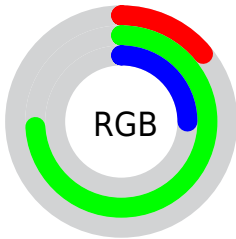
Format	Color
RYB	35, 164, 188
Decimal	2341951
CIELab	67.04, -62.66, 50.73
CIELCh	67, 80.618, 141.006
Yxy	36.6826, 0.2921, 0.5474
Android (android.graphics.Color)	4280532031 (0xFF23BC3F)
YUV	128.0030, -32.0465, -81.5636
Hunter-Lab	60.5662, -48.3037, 31.8714

Details

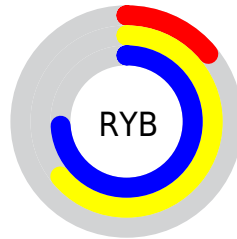
The XYZ color **19.5736, 36.6826, 10.7515** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **27.6863, 14.4322, 34.5852**, and the grayscale version is **20.6403, 21.7152, 23.6478**.

A 20% lighter version of the original color is **42.1115, 69.8170, 27.7795**, and **8.3875, 16.7751, 2.7958** is the 20% darker color. If you saturate the color by 10%, you get **18.7273, 36.2902, 8.7757**, and if you desaturate by 10%, it is **20.8829, 37.3019, 13.3757**.

Distribution



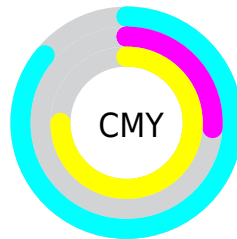
- Red (14%)
- Green (74%)
- Blue (25%)



- Red (14%)
- Yellow (64%)
- Blue (74%)



- Cyan (81%)
- Magenta (0%)
- Yellow (66%)
- Black (26%)




- Cyan (86%)
- Magenta (26%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.5736, 36.6826, 10.7515 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 19.5736, 36.6826, 10.7515 by changing the saturation by 10% instead.


 19.5736, 36.6826,
10.7515


 19.5736, 36.6826,
10.7515


242.4751,
331.9343, 206.6305


 12.1919, 24.9618,
5.7879


 42.2105, 70.0844,
27.8293


 6.9477, 16.0486,
2.6499


 58.1965, 92.5341,
40.7806


 3.4754, 9.5586,
0.9180


 77.7813, 119.3290,
57.2316

 1.4099, 5.1073,
0.0000

 101.3303,
150.8535, 77.6008

 0.2632, 2.3103,
0.0000

 129.2088,
187.4918, 102.3068

 0.0000, 0.7792,
0.0000

161.7822,

 0.0000, 0.0000,

229.6285, 131.7680

0.0000

199.4159,
277.6478, 166.4031

■ 19.5736, 36.6826,
10.7515

■ 19.5736, 36.6826,
10.7515

■ 18.7273, 36.2902,
8.7757

■ 20.8829, 37.3019,
13.3757

■ 18.2785, 36.0857,
7.5462

■ 22.7096, 38.1720,
16.6958

■ 25.1031, 39.3185,
20.7577

■ 28.1060, 40.7624,
25.6025

■ 31.7570, 42.5229,
31.2686

■ 36.0915, 44.6176,
37.7916

■ 41.1422, 47.0625,
45.2050

■ 46.9399, 49.8728,
53.5406

■ 53.5133, 53.0627,
62.8287

Harmonies

Analogous

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



27.0841, 36.6826, 4.2624



19.5736, 36.6826, 10.7515



16.3890, 36.6826, 30.2943

Triad

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



19.5736, 36.6826, 10.7515



31.3108, 36.6826, 150.5189



61.8079, 36.6826, 20.3084

Complementary

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



19.5736, 36.6826, 10.7515



27.6863, 14.4322, 34.5852

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.



63.6958, 36.6826, 51.4450



19.5736, 36.6826, 10.7515



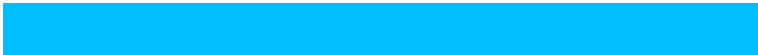
44.0110, 36.6826, 141.8418

Square

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



19.5736, 36.6826, 10.7515



22.0431, 36.6826, 118.6786



56.5686, 36.6826, 99.2169



51.8904, 36.6826, 7.1033

Rectangle

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



19.5736, 36.6826, 10.7515



16.4760, 36.6826, 54.2564



56.5686, 36.6826, 99.2169



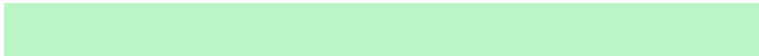
63.4814, 36.6826, 28.3952

Sweetspot

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



19.5745, 36.6841, 10.7523



62.9085, 79.6511, 64.7620



33.2901, 43.8234, 8.2946



12.9238, 16.8365, 13.0177



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.



19.5745, 36.6841, 10.7523



33.2034, 65.4355, 13.7642



23.1927, 38.1314, 29.8059



9.4782, 10.6774, 10.5017



12.4649, 24.5762, 5.2449



0.5103, 0.9715, 0.3214

Inverse Universe

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



27.6863, 14.4322, 34.5852



48.1698, 23.6949, 57.2280



23.0208, 12.5660, 10.0169



9.8530, 9.6655, 11.6150



18.0937, 8.8686, 21.5848



0.7286, 0.3553, 0.9499

Previews

White Background



This preview shows how the XYZ color 19.5736, 36.6826, 10.7515 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 19.5736, 36.6826, 10.7515 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 19.5736, 36.6826, 10.7515

Background



This preview shows how black text looks on a background with the XYZ color 19.5736, 36.6826, 10.7515.



This preview shows how white text looks on a background with the XYZ color 19.5736, 36.6826,

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

19.5736, 36.6826, 10.7515

Protanopia

32.6902, 35.9499, 8.9575

Deuteranopia

36.6110, 35.8850, 11.4754



Tritanopia

28.2993, 36.5622, 54.2809

Trichromacy



Original Color

19.5736, 36.6826, 10.7515



Protanomaly

24.2544, 34.0308, 9.4279



Deuteranomaly

25.5569, 33.2901, 10.8730



Tritanomaly

23.5353, 35.7800, 32.0513

Monochromacy



Original Color

19.5736, 36.6826, 10.7515



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

18.0211, 25.1919, 17.0094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5736, 36.6826, 10.7515 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(35, 188, 63)` looks like.

```
.text, #text, p{  
    color:rgb(35, 188, 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(35, 188, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 188, 63) }
```

Border

The CSS property to change the border of an element to XYZ 19.5736, 36.6826, 10.7515 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(35, 188, 63) }
```


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

```
.border{ border-color:rgb(35, 188, 63) }
```

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

Here you see how a box with a 4 pixel rgb(35, 188, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 188, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 188, 63);  
box-shadow:4px 4px 4px 4px rgb(35, 188,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5736, 36.6826, 10.7515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 188, 63) }
```

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

```
.background{ background-color: rgb(35, 188,  
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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