

Converting Colors

XYZ(20.0706, 36.1929, 7.6860)

Have a look what the booklet for
XYZ(20.0706, 36.1929, 7.6860)
contains.

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Color

**XYZ(19.9976, 36.0248,
7.6498)**

Conversions

Conversions Part 1

Format	Color
Hex	43B925
RGB	67, 185, 37
RGB Percent	26%, 73%, 15%
CMY	0.7373, 0.2745, 0.8549
CMYK	0.64, 0.00, 0.80, 0.27
HSL	108°, 67%, 44%
HSV	108°, 80%, 73%
XYZ	19.9976, 36.0248, 7.6498
YIQ	132.8460, -22.8200, -71.0440

Conversions

Conversions Part 2

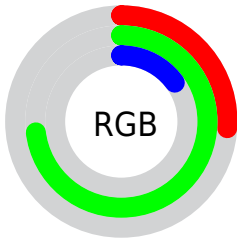
Format	Color
RYB	37, 185, 155
Decimal	4438309
CIELab	66.54, -58.39, 59.78
CIELCh	67, 83.564, 134.324
Yxy	36.0248, 0.3141, 0.5658
Android (android.graphics.Color)	4282628389 (0xFF43B925)
YUV	132.8460, -47.2521, -57.7469
Hunter-Lab	60.0207, -45.5638, 34.4578

Details

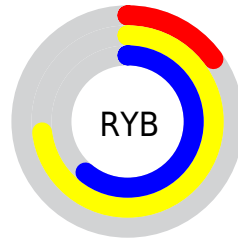
The XYZ color **19.9976, 36.0248, 7.6498** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **22.9389, 11.7962, 46.9688**, and the grayscale version is **22.4116, 23.5788, 25.6773**.

A 20% lighter version of the original color is **42.8709, 68.9976, 21.8848**, and **8.1163, 16.2326, 2.7054** is the 20% darker color. If you saturate the color by 10%, you get **18.8921, 35.4815, 6.4471**, and if you desaturate by 10%, it is **21.5095, 36.7628, 9.6408**.

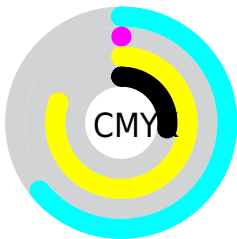
Distribution



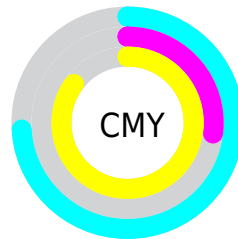
- Red (26%)
- Green (73%)
- Blue (15%)



- Red (15%)
- Yellow (73%)
- Blue (61%)



- Cyan (64%)
- Magenta (0%)
- Yellow (80%)
- Black (27%)





- Cyan (74%)
- Magenta (27%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.9976, 36.0248, 7.6498 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 19.9976, 36.0248, 7.6498 by changing the saturation by 10% instead.


 19.9976, 36.0248,
7.6498


 19.9976, 36.0248,
7.6498


244.7359,
329.0689, 182.7896


 12.5016, 24.4534,
3.7871


 42.9171, 69.0703,
21.8037


 7.1608, 15.6703,
1.5093


 59.0713, 91.3132,
32.9321

 3.6101, 9.2911,
0.2249


 78.8423, 117.8820,
47.3194

 1.4840, 4.9316,
0.0000

 102.5954,
149.1612, 65.3842

 0.3149, 2.2072,
0.0000

 130.6959,
185.5350, 87.5452

 0.0000, 0.7239,
0.0000

 163.5093,

 0.0000, 0.0000,

227.3880, 114.2207

0.0000

201.4008,
275.1045, 145.8293

■ 19.9976, 36.0248,
7.6498

■ 19.9976, 36.0248,
7.6498

■ 18.8921, 35.4815,
6.4471

■ 21.5095, 36.7628,
9.6408

■ 18.1307, 35.1020,
5.8200

■ 23.4628, 37.7080,
12.5217

■ 18.1304, 35.1019,
5.8198

■ 25.8912, 38.8770,
16.3815

■ 28.8242, 40.2832,
21.2977

■ 32.2890, 41.9393,
27.3400

■ 36.3107, 43.8566,
34.5722

■ 40.9128, 46.0461,
43.0535

■ 46.1174, 48.5180,
52.8388

■ 51.9455, 51.2819,
63.9799

Harmonies

Analogous

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



28.6114, 36.0248, 3.1415



19.9976, 36.0248, 7.6498



15.8678, 36.0248, 23.3601

Triad

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



19.9976, 36.0248, 7.6498



28.1263, 36.0248, 150.4557



63.3417, 36.0248, 24.4927

Complementary

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



19.9976, 36.0248, 7.6498



22.9389, 11.7962, 46.9688

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.



63.1200, 36.0248, 61.0142



19.9976, 36.0248, 7.6498



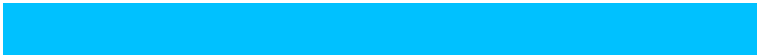
40.5634, 36.0248, 151.4921

Square

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



19.9976, 36.0248, 7.6498



19.7177, 36.0248, 110.0239



54.0168, 36.0248, 112.3328



54.5641, 36.0248, 8.0441

Rectangle

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



19.9976, 36.0248, 7.6498



15.3767, 36.0248, 44.6689



54.0168, 36.0248, 112.3328



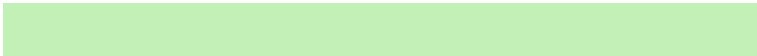
64.3741, 36.0248, 34.2422

Sweetspot

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



19.9984, 36.0263, 7.6506



61.7377, 76.9751, 55.9530



31.7235, 33.2104, 6.4891



12.7692, 16.3366, 11.0941



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.



19.9984, 36.0263, 7.6506



32.7676, 63.0118, 10.7108



19.5220, 35.6565, 13.2391



9.0558, 10.1454, 9.5879



12.3940, 23.9257, 3.9649



0.4876, 0.8696, 0.1421

Inverse Universe

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



22.9389, 11.7962, 46.9688



37.7971, 17.8279, 83.6536



25.6336, 13.6237, 27.2935



9.1979, 9.0684, 11.3450



14.2788, 6.6722, 31.7884



0.5492, 0.2588, 1.1228

Previews

White Background



This preview shows how the XYZ color 19.9976, 36.0248, 7.6498 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 19.9976, 36.0248, 7.6498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

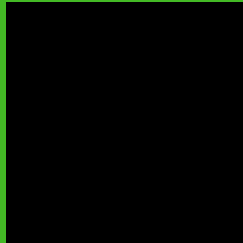
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 19.9976, 36.0248, 7.6498

Background



This preview shows how black text looks on a background with the XYZ color 19.9976, 36.0248, 7.6498.



This preview shows how white text looks on a background with the XYZ color 19.9976, 36.0248,

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

19.9976, 36.0248, 7.6498

Protanopia

32.0482, 35.4124, 6.4425

Deuteranopia

35.9582, 35.1310, 8.2539



Tritanopia

28.7610, 35.7029, 51.8298

Trichromacy



Original Color

19.9976, 36.0248, 7.6498



Protanomaly

25.4645, 34.4347, 6.7433



Deuteranomaly

26.7374, 33.4316, 7.7330



Tritanomaly

23.8175, 35.1365, 27.3565

Monochromacy



Original Color

19.9976, 36.0248, 7.6498



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

19.7395, 26.5895, 15.6472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9976, 36.0248, 7.6498 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(67, 185, 37)` looks like.

```
.text, #text, p{  
    color:rgb(67, 185, 37)  
}
```

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(67, 185, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 185, 37) }
```

Border

The CSS property to change the border of an element to XYZ 19.9976, 36.0248, 7.6498 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(67, 185, 37) }
```


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

```
.border{ border-color:rgb(67, 185, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 185, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 185, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 185, 37);  
box-shadow:4px 4px 4px 4px rgb(67, 185,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9976, 36.0248, 7.6498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 185, 37) }
```

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

```
.background{ background-color: rgb(67, 185,  
37) }
```

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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