

Converting Colors

XYZ(22.2890, 36.0450, 17.7764)

Have a look what the booklet for
XYZ(22.2890, 36.0450, 17.7764)
contains.

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Color

**XYZ(22.3365, 36.0815,
17.8438)**

Conversions

Conversions Part 1

Format	Color
Hex	50B664
RGB	80, 182, 100
RGB Percent	31%, 71%, 39%
CMY	0.6863, 0.2863, 0.6078
CMYK	0.56, 0.00, 0.45, 0.29
HSL	132°, 41%, 51%
HSV	132°, 56%, 71%
XYZ	22.3365, 36.0815, 17.8438
YIQ	142.1540, -34.4700, -47.1260

Conversions

Conversions Part 2

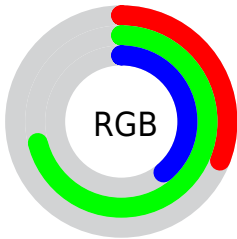
Format	Color
RYB	80, 165, 182
Decimal	5289572
CIELab	66.58, -47.41, 32.94
CIELCh	67, 57.723, 145.210
Yxy	36.0815, 0.2929, 0.4731
Android (android.graphics.Color)	4283479652 (0xFF50B664)
YUV	142.1540, -20.7819, -54.5091
Hunter-Lab	60.0679, -38.7428, 24.4348

Details

The XYZ color **22.3365, 36.0815, 17.8438** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **28.6828, 18.2917, 36.2025**, and the grayscale version is **25.8624, 27.2093, 29.6309**.

A 20% lighter version of the original color is **46.8505, 69.3184, 40.6163**, and **8.3543, 15.6967, 5.7214** is the 20% darker color. If you saturate the color by 10%, you get **20.3573, 35.1368, 14.3809**, and if you desaturate by 10%, it is **24.8609, 37.2946, 21.9977**.

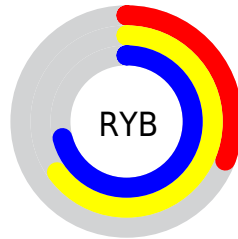
Distribution



Red (31%)

Green (71%)

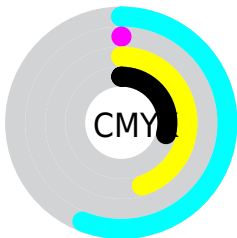
Blue (39%)



Red (31%)

Yellow (65%)

Blue (71%)

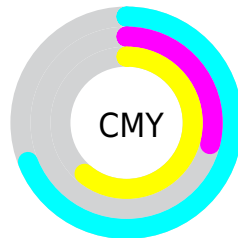


Cyan (56%)

Magenta (0%)

Yellow (45%)

Black (29%)



Cyan (69%)

Magenta (29%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3365, 36.0815, 17.8438 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 22.3365, 36.0815, 17.8438 by changing the saturation by 10% instead.

■ 22.3365, 36.0815,
17.8438

■ 22.3365, 36.0815,
17.8438

256.8980,
329.3166, 252.1956

■ 14.2224, 24.4971,
10.6696

■ 46.7763, 69.1578,
40.5813

■ 8.3582, 15.7028,
5.7338

■ 63.8326, 91.4186,
56.9817

■ 4.3787, 9.3141,
2.6177

■ 84.6003, 118.0070,
77.2947

■ 1.9185, 4.9466,
0.9016

■ 109.4449,
149.3074, 101.9386

■ 0.5876, 2.2160,
0.0000

138.7315,
185.7041, 131.3322

■ 0.0000, 0.7287,
0.0000

172.8257,

■ 0.0000, 0.0000,

227.5816, 165.8938

0.0000

212.0928,
275.3243, 206.0421

■ 22.3365, 36.0815,
17.8438

■ 22.3365, 36.0815,
17.8438

■ 20.3573, 35.1368,
14.3809

■ 24.8609, 37.2946,
21.9977

■ 18.8793, 34.4356,
11.5692

■ 27.9648, 38.7900,
26.8748

■ 17.8560, 33.9557,
9.3682

■ 31.6826, 40.5858,
32.5083

■ 17.2274, 33.6672,
7.7321

■ 36.0455, 42.6973,
38.9284

■ 17.0423, 33.5828,
7.2281

■ 41.0822, 45.1389,
46.1639

■ 46.8201, 47.9240,
54.2418

■ 53.2846, 51.0653,
63.1884

■ 60.5002, 54.5747,
73.0282

■ 68.4900, 58.4638,
83.7853

Harmonies

Analogous

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



27.6677, 36.0815, 9.9741



22.3365, 36.0815, 17.8438



20.2107, 36.0815, 35.4300

Triad

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



22.3365, 36.0815, 17.8438



32.9199, 36.0815, 108.7277



51.7123, 36.0815, 22.2469

Complementary

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



22.3365, 36.0815, 17.8438



28.6828, 18.2917, 36.2025

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.



53.7514, 36.0815, 43.4134



22.3365, 36.0815, 17.8438



41.9027, 36.0815, 100.3128

Square

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



22.3365, 36.0815, 17.8438



25.6286, 36.0815, 93.0417



49.9017, 36.0815, 73.3422



44.7218, 36.0815, 11.6610

Rectangle

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



22.3365, 36.0815, 17.8438



20.5828, 36.0815, 53.2028



49.9017, 36.0815, 73.3422



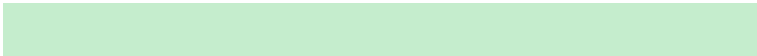
53.0446, 36.0815, 28.0370

Sweetspot

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



22.3374, 36.0830, 17.8446



64.2983, 76.8985, 69.0470



33.3431, 41.8551, 13.9112



13.8381, 16.8086, 14.7194



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.



22.3374, 36.0830, 17.8446



36.2736, 63.3991, 24.9110



25.5181, 37.3553, 34.5942



8.9604, 10.0881, 9.9490



12.0539, 23.7225, 5.2057



0.4466, 0.8449, 0.2975

Inverse Universe

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



28.6828, 18.2917, 36.2025



48.8579, 27.9720, 61.2128



25.1025, 16.8596, 17.3487



9.3034, 9.1317, 10.9451



17.3282, 8.5050, 20.1468



0.6304, 0.3077, 0.8133

Previews

White Background



This preview shows how the XYZ color 22.3365, 36.0815, 17.8438 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 22.3365, 36.0815, 17.8438 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 22.3365, 36.0815, 17.8438

Background



This preview shows how black text looks on a background with the XYZ color 22.3365, 36.0815, 17.8438.



This preview shows how white text looks on a background with the XYZ color 22.3365, 36.0815,

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

22.3365, 36.0815, 17.8438

Protanopia

32.5811, 35.4926, 15.2588

Deuteranopia

36.2018, 35.5102, 18.8560



Tritanopia

29.0949, 35.8750, 51.8455

Trichromacy



Original Color

22.3365, 36.0815, 17.8438



Protanomaly

27.2380, 34.8649, 16.1205



Deuteranomaly

28.7230, 34.2258, 18.1891



Tritanomaly

26.0578, 35.7969, 36.5464

Monochromacy



Original Color

22.3365, 36.0815, 17.8438



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

23.4955, 29.5682, 24.5476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3365, 36.0815, 17.8438 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(80, 182, 100)` looks like.

```
.text, #text, p{  
    color:rgb(80, 182, 100)  
}
```

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(80, 182, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 182, 100) }
```

Border

The CSS property to change the border of an element to XYZ 22.3365, 36.0815, 17.8438 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(80, 182, 100) }
```


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

```
.border{ border-color:rgb(80, 182, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 182, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 182, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 182, 100);  
box-shadow:4px 4px 4px 4px rgb(80, 182,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3365, 36.0815, 17.8438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 182, 100) }
```

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

```
.background{ background-color: rgb(80, 182,  
100) }
```

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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