

Converting Colors

XYZ(44.4072, 51.0304, 22.0611)

Have a look what the booklet for
XYZ(44.4072, 51.0304, 22.0611)
contains.

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Color

**XYZ(44.3360, 50.8462,
21.9455)**

Conversions

Conversions Part 1

Format	Color
Hex	C3C16D
RGB	195, 193, 109
RGB Percent	76%, 76%, 43%
CMY	0.2353, 0.2431, 0.5725
CMYK	0.00, 0.01, 0.44, 0.24
HSL	59°, 42%, 60%
HSV	59°, 44%, 76%
XYZ	44.3360, 50.8462, 21.9455
YIQ	184.0220, 28.1560, -25.7000

Conversions

Conversions Part 2

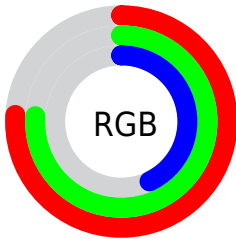
Format	Color
RYB	111, 195, 109
Decimal	12829037
CIELab	76.59, -11.30, 42.37
CIELCh	77, 43.851, 104.940
Yxy	50.8462, 0.3785, 0.4341
Android (android.graphics.Color)	4291019117 (0xFFC3C16D)
YUV	184.0220, -36.9858, 9.6277
Hunter-Lab	71.3065, -13.8011, 31.6673

Details

The XYZ color **44.3360, 50.8462, 21.9455** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.8414, 18.5597, 54.0610**, and the grayscale version is **45.7603, 48.1434, 52.4281**.

A 20% lighter version of the original color is **80.9053, 91.2426, 47.5298**, and **20.9827, 24.6474, 7.7892** is the 20% darker color. If you saturate the color by 10%, you get **43.3013, 50.2744, 16.9839**, and if you desaturate by 10%, it is **45.6064, 51.5164, 28.1358**.

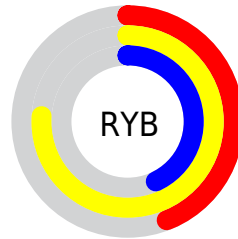
Distribution



Red (76%)

Green (76%)

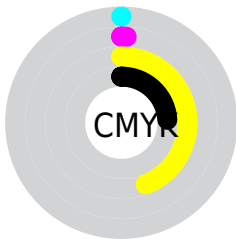
Blue (43%)



Red (44%)

Yellow (76%)

Blue (43%)

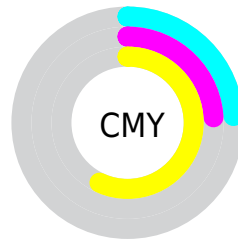


Cyan (0%)

Magenta (1%)

Yellow (44%)

Black (24%)



Cyan (24%)

Magenta (24%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.3360, 50.8462, 21.9455 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 44.3360, 50.8462, 21.9455 by changing the saturation by 10% instead.

■ 44.3360, 50.8462,
21.9455

■ 44.3360, 50.8462,
21.9455

354.9067,
389.9659, 275.2057

■ 31.1338, 36.0862,
13.6189

■ 80.9663, 91.4274,
47.5569

■ 20.8531, 24.5008,
7.7204

■ 105.1251,
118.0174, 65.6789

■ 13.1285, 15.7055,
3.8314

■ 133.6669,
149.3195, 87.9030

■ 7.5947, 9.3160,
1.5333

■ 166.9569,
185.7182, 114.6479

■ 3.8863, 4.9479,
0.2425

205.3605,
227.5978, 146.3321

■ 1.6380, 2.2167,
0.0000

249.2431,

■ 0.4170, 0.7291,

275.3426, 183.3741

0.0000

298.9701,
329.3372, 226.1925

■ 0.0000, 0.0000,
0.0000

■ 44.3360, 50.8462,
21.9455

■ 44.3360, 50.8462,
21.9455

■ 43.3013, 50.2744,
16.9839

■ 45.6064, 51.5164,
28.1358

■ 42.4830, 49.7878,
13.1656

■ 47.1229, 52.2838,
35.6260

■ 41.8648, 49.3818,
10.3999


■ 48.8998, 53.1557,
44.4859


■ 41.4266, 49.0482,
8.5803


■ 50.9491, 54.1372,
54.7792


■ 41.1440, 48.7774,
7.5785

■ 53.2823, 55.2327,
66.5656

 41.0226, 48.6360,
7.2256

 55.9101, 56.4465,
79.9016

 58.8425, 57.7826,
94.8406

 60.4366, 58.5839,
102.7302

 60.5392, 58.7891,
102.7644

Harmonies

Analogous

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



52.5864, 50.8462, 21.9589



44.3360, 50.8462, 21.9455



37.9257, 50.8462, 28.9402

Triad

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



44.3360, 50.8462, 21.9455



37.9055, 50.8462, 94.2483



65.4014, 50.8462, 68.0839

Complementary

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



44.3360, 50.8462, 21.9455



21.8414, 18.5597, 54.0610

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.



60.4767, 50.8462, 94.3449



44.3360, 50.8462, 21.9455



44.3055, 50.8462, 112.1407

Square

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



44.3360, 50.8462, 21.9455



34.5118, 50.8462, 67.9778



52.5523, 50.8462, 112.1804



65.4120, 50.8462, 44.4140

Rectangle

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



44.3360, 50.8462, 21.9455



35.2854, 50.8462, 38.1990



52.5523, 50.8462, 112.1804



64.2430, 50.8462, 77.0238

Sweetspot

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



44.3372, 50.8485, 21.9466



87.8903, 95.3529, 81.2272



30.8919, 23.7068, 18.2387



19.0790, 20.7998, 16.9467



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.



44.3372, 50.8485, 21.9466



77.5998, 90.0689, 30.6383



35.7677, 47.0899, 21.6727



10.8928, 11.7169, 10.7494



26.6716, 31.6289, 4.6992



1.1588, 1.3795, 0.2052

Inverse Universe

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



21.8414, 18.5597, 54.0610



32.1316, 24.8131, 95.5657



27.7382, 21.2801, 54.2753



9.5466, 9.7846, 12.6703



6.4426, 2.6418, 33.7270



0.2850, 0.1273, 1.4594

Previews

White Background



This preview shows how the XYZ color 44.3360, 50.8462, 21.9455 looks on a white background.

Color Contrast Check

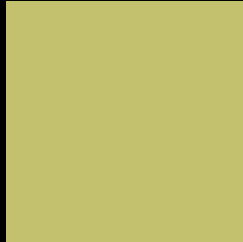
Large Text (above 18pt) WCAG AA × Fail

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 44.3360, 50.8462, 21.9455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

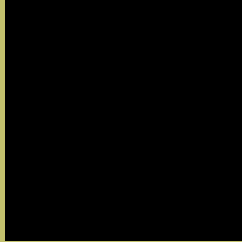
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.3360, 50.8462, 21.9455

Background



This preview shows how black text looks on a background with the XYZ color 44.3360, 50.8462, 21.9455.



This preview shows how white text looks on a background with the XYZ color 44.3360, 50.8462,

21.9455.

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

44.3360, 50.8462, 21.9455

Protanopia

46.6365, 50.7433, 21.5238

Deuteranopia

51.5590, 50.4704, 22.3535



Tritanopia

52.1884, 50.8773, 59.8930

Trichromacy



Original Color

44.3360, 50.8462, 21.9455

Protanomaly

45.7488, 50.6061, 21.5441

Deuteranomaly

48.8335, 50.5973, 22.2314

Tritanomaly

48.6492, 50.6748, 42.8144

Monochromacy



Original Color

44.3360, 50.8462, 21.9455

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

44.5952, 48.6663, 38.9414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.3360, 50.8462, 21.9455 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(195, 193, 109)` looks like.

```
.text, #text, p{  
    color:rgb(195, 193, 109)  
}
```

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(195, 193, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 193, 109) }
```

Border

The CSS property to change the border of an element to XYZ 44.3360, 50.8462, 21.9455 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(195, 193, 109) }
```


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

```
.border{ border-color:rgb(195, 193, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 193, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 193, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 193, 109);  
box-shadow:4px 4px 4px 4px rgb(195, 193,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 44.3360, 50.8462, 21.9455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 193, 109) }
```

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

```
.background{ background-color: rgb(195,  
193, 109) }
```

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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