

Converting Colors

XYZ(45.7248, 51.9865, 22.5173)

Have a look what the booklet for
XYZ(45.7248, 51.9865, 22.5173)
contains.

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Color

**XYZ(45.6594, 51.8515,
22.3537)**

Conversions

Conversions Part 1

Format	Color
Hex	C7C26E
RGB	199, 194, 110
RGB Percent	78%, 76%, 43%
CMY	0.2196, 0.2392, 0.5686
CMYK	0.00, 0.03, 0.45, 0.22
HSL	57°, 44%, 61%
HSV	57°, 45%, 78%
XYZ	45.6594, 51.8515, 22.3537
YIQ	185.9190, 29.9440, -25.0640

Conversions

Conversions Part 2

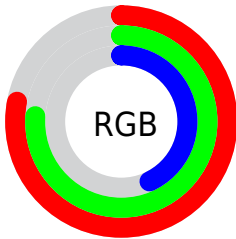
Format	Color
RYB	115, 199, 110
Decimal	13091438
CIELab	77.19, -10.10, 42.69
CIElCh	77, 43.869, 103.307
Yxy	51.8515, 0.3809, 0.4326
Android (android.graphics.Color)	4291281518 (0xFFC7C26E)
YUV	185.9190, -37.4281, 11.4720
Hunter-Lab	72.0080, -12.8293, 32.0000

Details

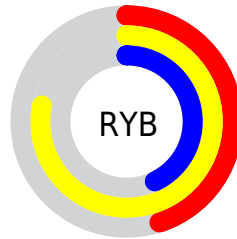
The XYZ color **45.6594, 51.8515, 22.3537** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **22.8698, 19.6993, 56.6295**, and the grayscale version is **46.8191, 49.2574, 53.6413**.

A 20% lighter version of the original color is **82.0365, 92.2756, 48.1375**, and **21.6682, 25.2156, 8.0000** is the 20% darker color. If you saturate the color by 10%, you get **44.4483, 50.9727, 17.1918**, and if you desaturate by 10%, it is **47.1183, 52.8361, 28.7997**.

Distribution



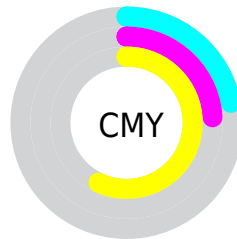
- Red (78%)
- Green (76%)
- Blue (43%)



- Red (45%)
- Yellow (78%)
- Blue (43%)



- Cyan (0%)
- Magenta (3%)
- Yellow (45%)
- Black (22%)



- Cyan (22%)
- Magenta (24%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6594, 51.8515, 22.3537 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 45.6594, 51.8515, 22.3537 by changing the saturation by 10% instead.

■ 45.6594, 51.8515,
22.3537

■ 45.6594, 51.8515,
22.3537

360.1766,
393.8630, 277.4014

■ 32.1806, 36.8867,
13.9162

■ 82.9400, 92.9122,
48.2396

■ 21.6557, 25.1198,
7.9243

■ 107.4726,
119.7769, 66.5250

■ 13.7193, 16.1663,
3.9595

■ 136.4204,
151.3770, 88.9302

■ 8.0061, 9.6419,
1.6031

■ 170.1489,
188.0970, 115.8737

■ 4.1507, 5.1622,
0.2931

209.0234,
230.3212, 147.7741

■ 1.7877, 2.3427,
0.0000

253.4093,

■ 0.5103, 0.7962,

278.4340, 185.0497

0.0000

303.6719,
332.8198, 228.1193

■ 0.0000, 0.0000,
0.0000

■ 45.6594, 51.8515,
22.3537

■ 45.6594, 51.8515,
22.3537

■ 44.4483, 50.9727,
17.1918

■ 47.1183, 52.8361,
28.7997

■ 43.4646, 50.1861,
13.2240

■ 48.8360, 53.9254,
36.6055

■ 42.6911, 49.4864,
10.3537


■ 50.8277, 55.1272,
45.8444


■ 42.1063, 48.8652,
8.4681


■ 53.1061, 56.4468,
56.5839


■ 41.6841, 48.3121,
7.4299


■ 55.6832, 57.8888,
68.8869

 41.5005, 48.0370,
7.0848

 58.5702, 59.4578,
82.8130

 61.7780, 61.1582,
98.4184

 62.9446, 62.0451,
103.2661

 63.2092, 62.5742,
103.3543

Harmonies

Analogous

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



54.0683, 51.8515, 22.7372



45.6594, 51.8515, 22.3537



39.0170, 51.8515, 29.0498

Triad

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



45.6594, 51.8515, 22.3537



38.4425, 51.8515, 94.4869



66.4239, 51.8515, 70.8093

Complementary

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



45.6594, 51.8515, 22.3537



22.8698, 19.6993, 56.6295

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.



61.2089, 51.8515, 97.2364



45.6594, 51.8515, 22.3537



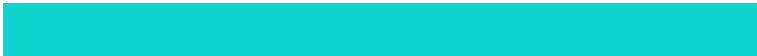
44.7893, 51.8515, 113.3456

Square

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



45.6594, 51.8515, 22.3537



35.1809, 51.8515, 67.7843



53.0940, 51.8515, 114.4747



66.7257, 51.8515, 46.4685

Rectangle

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



45.6594, 51.8515, 22.3537



36.2191, 51.8515, 38.1283



53.0940, 51.8515, 114.4747



65.1626, 51.8515, 79.8821

Sweetspot

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



45.6607, 51.8539, 22.3548



89.5741, 96.8647, 82.9776



32.2779, 24.5539, 19.5415



18.9925, 20.6269, 16.9179



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.



45.6607, 51.8539, 22.3548



77.8129, 89.2400, 30.0461



37.8221, 49.4909, 22.3118



11.4710, 12.3111, 11.3344



26.7078, 30.9327, 4.5630



1.2805, 1.4965, 0.2214

Inverse Universe

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



22.8698, 19.6993, 56.6295



32.7635, 25.6968, 97.8409



28.2007, 21.6249, 56.7202



10.1037, 10.3814, 13.3888



6.7282, 2.8503, 34.9399



0.3356, 0.1690, 1.6601

Previews

White Background



This preview shows how the XYZ color 45.6594, 51.8515, 22.3537 looks on a white background.

Color Contrast Check

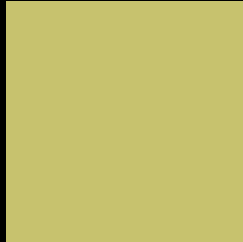
Large Text (above 18pt) WCAG AA × Fail

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 45.6594, 51.8515, 22.3537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

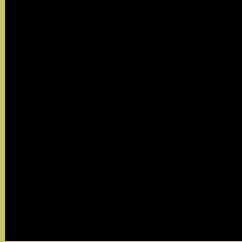
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.6594, 51.8515, 22.3537

Background



This preview shows how black text looks on a background with the XYZ color 45.6594, 51.8515, 22.3537.



This preview shows how white text looks on a background with the XYZ color 45.6594, 51.8515,

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

45.6594, 51.8515, 22.3537

Protanopia

47.6856, 51.9210, 21.9765

Deuteranopia

52.6636, 51.6371, 22.8141



Tritanopia

53.3460, 51.7681, 60.6067

Trichromacy



Original Color

45.6594, 51.8515, 22.3537

Protanomaly

46.7868, 51.7825, 21.9971

Deuteranomaly

49.6970, 51.3477, 22.6210

Tritanomaly

50.0430, 51.6987, 43.4177

Monochromacy



Original Color

45.6594, 51.8515, 22.3537

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

45.8550, 49.9402, 39.5704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6594, 51.8515, 22.3537 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(199, 194, 110)` looks like.

```
.text, #text, p{  
    color:rgb(199, 194, 110)  
}
```

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(199, 194, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 194, 110) }
```

Border

The CSS property to change the border of an element to XYZ 45.6594, 51.8515, 22.3537 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(199, 194, 110) }
```


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

```
.border{ border-color:rgb(199, 194, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 194, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 194, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 194, 110);  
box-shadow:4px 4px 4px 4px rgb(199, 194,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6594, 51.8515, 22.3537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 194, 110) }
```

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

```
.background{ background-color: rgb(199,  
194, 110) }
```

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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