

Converting Colors

XYZ(46.1669, 52.2177, 12.2092)

Have a look what the booklet for
XYZ(46.1669, 52.2177, 12.2092)
contains.

XYZ(46.1737, 52.3413, 12.2267)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.1737, 52.3413,
12.2267)**

Conversions

Conversions Part 1

Format	Color
Hex	D0C23E
RGB	208, 194, 62
RGB Percent	82%, 76%, 24%
CMY	0.1843, 0.2392, 0.7568
CMYK	0.00, 0.07, 0.70, 0.18
HSL	54°, 61%, 53%
HSV	54°, 70%, 82%
XYZ	46.1737, 52.3413, 12.2267
YIQ	183.1380, 50.7160, -38.0840

Conversions

Conversions Part 2

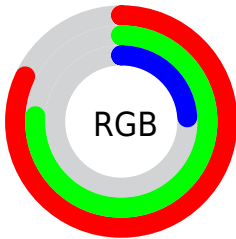
Format	Color
R_{YB}	77, 208, 62
Decimal	13681214
CIE _{Lab}	77.48, -9.89, 64.69
CIE _{LCh}	77, 65.443, 98.695
Yxy	52.3413, 0.4169, 0.4726
Android (android.graphics.Color)	4291871294 (0xFFD0C23E)
YUV	183.1380, -59.7210, 21.8040
Hunter-Lab	72.3473, -12.6850, 40.6231

Details

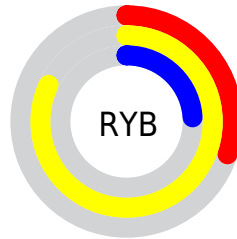
The XYZ color **46.1737, 52.3413, 12.2267** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **15.9563, 10.7469, 60.9074**, and the grayscale version is **45.3849, 47.7485, 51.9981**.

A 20% lighter version of the original color is **78.6365, 90.9156, 30.2335**, and **22.1026, 25.5338, 3.7636** is the 20% darker color. If you saturate the color by 10%, you get **45.2683, 51.2759, 9.6279**, and if you desaturate by 10%, it is **47.3058, 53.5109, 15.9794**.

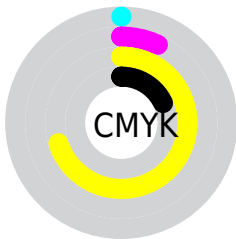
Distribution



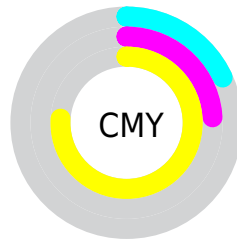
- Red (82%)
- Green (76%)
- Blue (24%)



- Red (30%)
- Yellow (82%)
- Blue (24%)



- Cyan (0%)
- Magenta (7%)
- Yellow (70%)
- Black (18%)



- Cyan (18%)
- Magenta (24%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1737, 52.3413, 12.2267 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 46.1737, 52.3413, 12.2267 by changing the saturation by 10% instead.

■ 46.1737, 52.3413,
12.2267

■ 46.1737, 52.3413,
12.2267

362.2108,
395.7528, 216.9313

■ 32.5881, 37.2772,
6.7739

■ 83.7052, 93.6344,
30.5779

■ 21.9688, 25.4222,
3.2448

■ 108.3818,
120.6322, 44.3133

■ 13.9505, 16.3919,
1.2209

■ 137.4861,
152.3766, 61.6466

■ 8.1677, 9.8019,
0.0000

■ 171.3835,
189.2521, 82.9964

■ 4.2551, 5.2678,
0.0000

■ 210.4393,
231.6431, 108.7813

■ 1.8475, 2.4052,
0.0000

255.0188,

■ 0.5460, 0.8286,

279.9340, 139.4197

0.0000

305.4876,
334.5091, 175.3302

■ 0.0000, 0.0000,
0.0000

■ 46.1737, 52.3413,
12.2267

■ 46.1737, 52.3413,
12.2267

■ 45.2683, 51.2759,
9.6279

■ 47.3058, 53.5109,
15.9794

■ 44.5596, 50.2966,
8.0406

■ 48.6834, 54.7862,
21.0005

■ 44.0088, 49.4030,
7.2162

■ 50.3271, 56.1777,
27.3940

■ 52.2547, 57.6923,
35.2523

■ 54.4822, 59.3365,
44.6600

■ 57.0244, 61.1163,
55.6949

■ 59.8952, 63.0373,
68.4300

■ 63.1075, 65.1047,
82.9335

■ 66.6736, 67.3234,
99.2700

Harmonies

Analogous

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



59.0855, 52.3413, 13.6961



46.1737, 52.3413, 12.2267



36.0817, 52.3413, 18.1664

Triad

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



46.1737, 52.3413, 12.2267



33.1274, 52.3413, 112.3380



75.9207, 52.3413, 86.1164

Complementary

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



46.1737, 52.3413, 12.2267



15.9563, 10.7469, 60.9074

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.



66.4932, 52.3413, 130.1540



46.1737, 52.3413, 12.2267



41.4515, 52.3413, 149.2151

Square

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



46.1737, 52.3413, 12.2267



29.4292, 52.3413, 68.1426



53.5039, 52.3413, 156.8377



77.7618, 52.3413, 47.1273

Rectangle

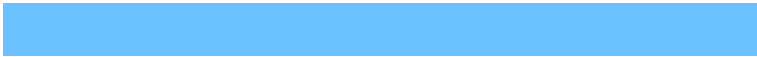
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.1737, 52.3413, 12.2267



31.7796, 52.3413, 27.9957



53.5039, 52.3413, 156.8377



73.4658, 52.3413, 101.2047

Sweetspot

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



46.1749, 52.3438, 12.2278



85.9800, 93.7870, 69.1074



29.0607, 17.3858, 8.7722



18.1847, 19.9152, 13.8616



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.



46.1749, 52.3438, 12.2278



71.1933, 80.5318, 13.8715



35.9298, 51.9055, 12.6832



12.7026, 13.5958, 12.5668



27.4680, 30.8690, 4.5106



1.5646, 1.7836, 0.2618

Inverse Universe

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



15.9563, 10.7469, 60.9074



20.6430, 11.0602, 95.6546



20.9096, 12.0217, 60.8924



11.2535, 11.5973, 14.8890



7.2831, 3.2128, 37.4288



0.4392, 0.2436, 2.1034

Previews

White Background



This preview shows how the XYZ color 46.1737, 52.3413, 12.2267 looks on a white background.

Color Contrast Check

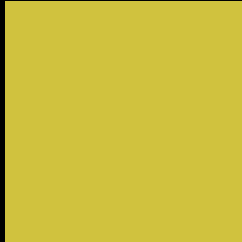
Large Text (above 18pt) WCAG AA × Fail

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 46.1737, 52.3413, 12.2267 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 46.1737, 52.3413, 12.2267

Background



This preview shows how black text looks on a background with the XYZ color 46.1737, 52.3413, 12.2267.



This preview shows how white text looks on a background with the XYZ color 46.1737, 52.3413,

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

46.1737, 52.3413, 12.2267

Protanopia

47.4235, 52.3323, 12.0165

Deuteranopia

53.3079, 52.2000, 12.4202



Tritanopia

55.5876, 52.0479, 58.7462

Trichromacy



Original Color

46.1737, 52.3413, 12.2267

Protanomaly

47.0636, 52.4739, 12.0628

Deuteranomaly

50.5079, 51.9934, 12.3747

Tritanomaly

50.8497, 51.6715, 34.8973

Monochromacy



Original Color

46.1737, 52.3413, 12.2267

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

44.1688, 48.6112, 31.4811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1737, 52.3413, 12.2267 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(208, 194, 62)` looks like.

```
.text, #text, p{  
    color:rgb(208, 194, 62)  
}
```

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(208, 194, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 194, 62) }
```

Border

The CSS property to change the border of an element to XYZ 46.1737, 52.3413, 12.2267 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(208, 194, 62) }
```


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

```
.border{ border-color:rgb(208, 194, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 194, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 194, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 194, 62);  
box-shadow:4px 4px 4px 4px rgb(208, 194,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1737, 52.3413, 12.2267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 194, 62) }
```

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

```
.background{ background-color: rgb(208,  
194, 62) }
```

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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