

Converting Colors

XYZ(42.3025, 44.6441, 17.5271)

Have a look what the booklet for
XYZ(42.3025, 44.6441, 17.5271)
contains.

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Color

**XYZ(42.2653, 44.5917,
17.4458)**

Conversions

Conversions Part 1

Format	Color
Hex	CBB060
RGB	203, 176, 96
RGB Percent	80%, 69%, 38%
CMY	0.2039, 0.3098, 0.6235
CMYK	0.00, 0.13, 0.53, 0.20
HSL	45°, 51%, 59%
HSV	45°, 53%, 80%
XYZ	42.2653, 44.5917, 17.4458
YIQ	174.9530, 41.7720, -19.1560

Conversions

Conversions Part 2

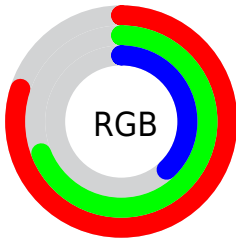
Format	Color
RYB	132, 203, 96
Decimal	13348960
CIELab	72.62, -0.35, 44.17
CIELCh	73, 44.171, 90.459
Yxy	44.5917, 0.4052, 0.4275
Android (android.graphics.Color)	4291539040 (0xFFCBB060)
YUV	174.9530, -38.9238, 24.5972
Hunter-Lab	66.7770, -3.8814, 31.2541

Details

The XYZ color **42.2653, 44.5917, 17.4458** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **22.6862, 20.9639, 59.3506**, and the grayscale version is **40.9041, 43.0343, 46.8644**.

A 20% lighter version of the original color is **75.1612, 80.5499, 39.6032**, and **19.5549, 20.7236, 5.5542** is the 20% darker color. If you saturate the color by 10%, you get **40.4637, 42.2961, 12.8147**, and if you desaturate by 10%, it is **44.3482, 47.0638, 23.3622**.

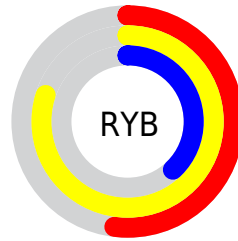
Distribution



Red (80%)

Green (69%)

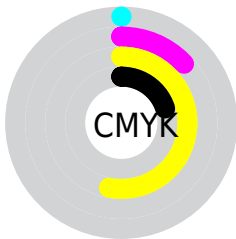
Blue (38%)



Red (52%)

Yellow (80%)

Blue (38%)

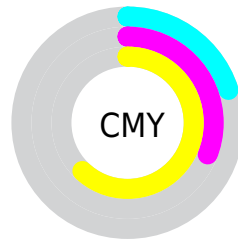


Cyan (0%)

Magenta (13%)

Yellow (53%)

Black (20%)



Cyan (20%)

Magenta (31%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2653, 44.5917, 17.4458 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 42.2653, 44.5917, 17.4458 by changing the saturation by 10% instead.

■ 42.2653, 44.5917,
17.4458

■ 42.2653, 44.5917,
17.4458

346.5545,
365.1174, 249.8588

■ 29.5011, 31.1359,
10.3875

■ 77.8636, 82.1074,
39.8918

■ 19.6064, 20.7024,
5.5477

■ 101.4285,
106.9361, 56.1166

■ 12.2159, 12.9066,
2.5078

■ 129.3243,
136.3246, 76.2340

■ 6.9641, 7.3643,
0.8443

■ 161.9163,
170.6572, 100.6625

■ 3.4858, 3.6909,
0.0000

199.5700,
210.3184, 129.8207

■ 1.4156, 1.5022,
0.0000

242.6507,

■ 0.2673, 0.2903,

255.6926, 164.1271

0.0000

291.5237,
307.1641, 204.0003

■ 0.0000, 0.0000,
0.0000

■ 42.2653, 44.5917,
17.4458

■ 42.2653, 44.5917,
17.4458

■ 40.4637, 42.2961,
12.8147

■ 44.3482, 47.0638,
23.3622

■ 38.9209, 40.1623,
9.3660

■ 46.7267, 49.7138,
30.6506

■ 37.6156, 38.1828,
6.9856

■ 49.4176, 52.5506,
39.3933

■ 36.5213, 36.3463,
5.5352

■ 52.4355, 55.5808,
49.6653

■ 35.8219, 35.0831,
4.8837

■ 55.7941, 58.8104,
61.5365

■ 59.5061, 62.2452,
75.0723

■ 63.5837, 65.8905,
90.3347

■ 67.4856, 69.5306,
104.4716

■ 68.8261, 72.2116,
104.9185

Harmonies

Analogous

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



50.0532, 44.5917, 20.3603



42.2653, 44.5917, 17.4458



35.3583, 44.5917, 20.5501

Triad

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



42.2653, 44.5917, 17.4458



30.9309, 44.5917, 73.1788



56.5044, 44.5917, 72.4128

Complementary

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



42.2653, 44.5917, 17.4458



22.6862, 20.9639, 59.3506

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.



50.2816, 44.5917, 94.6442



42.2653, 44.5917, 17.4458



35.5395, 44.5917, 95.1720

Square

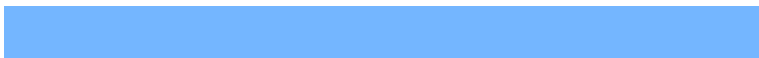
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



42.2653, 44.5917, 17.4458



29.3154, 44.5917, 48.8912



42.5011, 44.5917, 104.0030



58.8507, 44.5917, 48.2160

Rectangle

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



42.2653, 44.5917, 17.4458



32.0258, 44.5917, 26.3771



42.5011, 44.5917, 104.0030



54.7624, 44.5917, 80.5952

Sweetspot

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



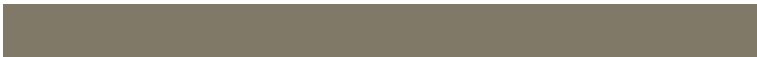
42.2664, 44.5938, 17.4467



85.9668, 91.2526, 76.8349



32.4837, 22.5315, 21.8836



18.1737, 19.3046, 15.6728



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.



42.2664, 44.5938, 17.4467



67.4416, 70.4055, 20.7073



41.8352, 53.0254, 19.0969



11.9049, 12.5987, 11.8838



22.8727, 22.4784, 3.1332



1.2382, 1.2761, 0.1810

Inverse Universe

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



22.6862, 20.9639, 59.3506



31.3494, 26.9129, 98.1502



22.8433, 16.7406, 58.5271



10.8279, 11.2963, 14.1801



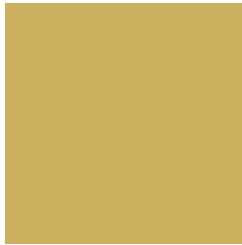
7.6815, 4.3870, 36.3982



0.4586, 0.3510, 1.8985

Previews

White Background



This preview shows how the XYZ color 42.2653, 44.5917, 17.4458 looks on a white background.

Color Contrast Check

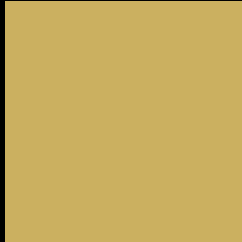
Large Text (above 18pt) WCAG AA × Fail

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 42.2653, 44.5917, 17.4458 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 42.2653, 44.5917, 17.4458

Background



This preview shows how black text looks on a background with the XYZ color 42.2653, 44.5917, 17.4458.

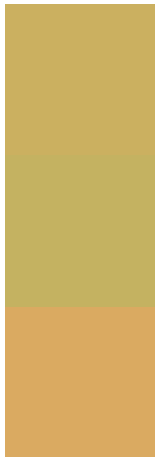


This preview shows how white text looks on a background with the XYZ color 42.2653, 44.5917,

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

42.2653, 44.5917, 17.4458

Protanopia

40.8430, 44.4396, 17.7343

Deuteranopia

45.4458, 44.5179, 17.5068



Tritanopia

48.6369, 44.3760, 48.6498

Trichromacy



Original Color

42.2653, 44.5917, 17.4458

Protanomaly

41.4330, 44.4495, 17.7051

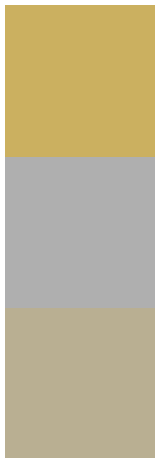
Deuteranomaly

44.3508, 44.5142, 17.5638

Tritanomaly

45.8120, 44.3293, 34.5756

Monochromacy



Original Color

42.2653, 44.5917, 17.4458

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.5259, 43.0496, 33.3676

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2653, 44.5917, 17.4458 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(203, 176, 96)` looks like.

```
.text, #text, p{  
    color:rgb(203, 176, 96)  
}
```

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(203, 176, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 176, 96) }
```

Border

The CSS property to change the border of an element to XYZ 42.2653, 44.5917, 17.4458 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(203, 176, 96) }
```


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

```
.border{ border-color:rgb(203, 176, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 176, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 176, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 176, 96);  
box-shadow:4px 4px 4px 4px rgb(203, 176,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2653, 44.5917, 17.4458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 176, 96) }
```

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

```
.background{ background-color: rgb(203,  
176, 96) }
```

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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