

Converting Colors

XYZ(42.1012, 51.4312, 23.5955)

Have a look what the booklet for
XYZ(42.1012, 51.4312, 23.5955)
contains.

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Color

**XYZ(42.0537, 51.3064,
23.6062)**

Conversions

Conversions Part 1

Format	Color
Hex	B4C672
RGB	180, 198, 114
RGB Percent	71%, 78%, 45%
CMY	0.2941, 0.2235, 0.5529
CMYK	0.09, 0.00, 0.42, 0.22
HSL	73°, 42%, 61%
HSV	73°, 42%, 78%
XYZ	42.0537, 51.3064, 23.6062
YIQ	183.0420, 16.2360, -29.9400

Conversions

Conversions Part 2

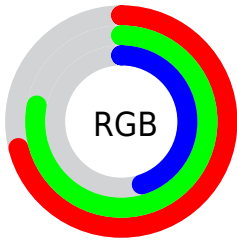
Format	Color
RYB	114, 198, 132
Decimal	11847282
CIELab	76.86, -19.28, 39.96
CIELCh	77, 44.368, 115.751
Yxy	51.3064, 0.3595, 0.4386
Android (android.graphics.Color)	4290037362 (0xFFB4C672)
YUV	183.0420, -34.0377, -2.6678
Hunter-Lab	71.6285, -20.5510, 30.6001

Details

The XYZ color **42.0537, 51.3064, 23.6062** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **25.7281, 21.0187, 56.1301**, and the grayscale version is **45.2085, 47.5629, 51.7960**.

A 20% lighter version of the original color is **77.6601, 92.3145, 50.2846**, and **19.5029, 24.7523, 8.6003** is the 20% darker color. If you saturate the color by 10%, you get **40.0740, 50.4039, 18.2540**, and if you desaturate by 10%, it is **44.3102, 52.3267, 30.2468**.

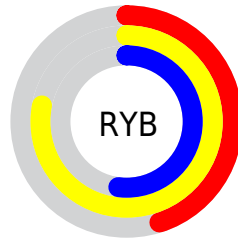
Distribution



Red (71%)

Green (78%)

Blue (45%)



Red (45%)

Yellow (78%)

Blue (52%)

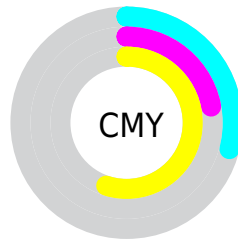


Cyan (9%)

Magenta (0%)

Yellow (42%)

Black (22%)



Cyan (29%)

Magenta (22%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0537, 51.3064, 23.6062 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 42.0537, 51.3064, 23.6062 by changing the saturation by 10% instead.

■ 42.0537, 51.3064,
23.6062

■ 42.0537, 51.3064,
23.6062

345.6933,
391.7530, 284.0456

■ 29.3346, 36.4525,
14.8323

■ 77.5455, 92.1075,
50.3226

■ 19.4797, 24.7839,
8.5564

■ 101.0490,
118.8235, 69.1021

■ 12.1234, 15.9161,
4.3602

■ 128.8780,
150.2624, 92.0538

■ 6.9006, 9.4648,
1.8249

161.3979,
186.8085, 119.5964

■ 3.4458, 5.0456,
0.4443

198.9740,
228.8462, 152.1483

■ 1.3937, 2.2740,
0.0000

241.9718,

■ 0.2517, 0.7599,

276.7599, 190.1282

0.0000

290.7564,
330.9341, 233.9544

■ 0.0000, 0.0000,
0.0000

■ 42.0537, 51.3064,
23.6062

■ 42.0537, 51.3064,
23.6062

■ 40.0740, 50.4039,
18.2540

■ 44.3102, 52.3267,
30.2468

■ 38.3511, 49.6058,
14.1032

■ 46.8544, 53.4638,
38.2489

■ 36.8682, 48.9072,
11.0613


■ 49.7012, 54.7255,
47.6838


■ 35.6047, 48.2996,
9.0208


■ 52.8634, 56.1169,
58.6171


■ 34.5358, 47.7734,
7.8529


■ 56.3527, 57.6428,
71.1100

 33.8214, 47.4150,
7.3694

 60.1805, 59.3078,
85.2207

 64.3574, 61.1161,
101.0041

 65.9629, 61.8994,
103.0789

 67.2174, 62.5462,
103.1376

Harmonies

Analogous

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



49.9765, 51.3064, 21.1698



42.0537, 51.3064, 23.6062



36.5516, 51.3064, 33.5915

Triad

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



42.0537, 51.3064, 23.6062



40.1965, 51.3064, 103.7175



66.7902, 51.3064, 59.3757

Complementary

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



42.0537, 51.3064, 23.6062



25.7281, 21.0187, 56.1301

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.



63.4351, 51.3064, 86.2886



42.0537, 51.3064, 23.6062



47.5737, 51.3064, 116.1558

Square

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



42.0537, 51.3064, 23.6062



35.5692, 51.3064, 78.5680



56.1553, 51.3064, 109.0022



64.8775, 51.3064, 38.0184

Rectangle

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



42.0537, 51.3064, 23.6062



34.6761, 51.3064, 45.1952



56.1553, 51.3064, 109.0022



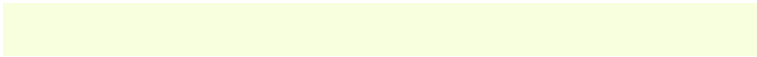
66.2314, 51.3064, 68.0920

Sweetspot

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



42.0550, 51.3087, 23.6073



87.5987, 96.7231, 83.0544



34.4173, 29.4011, 19.7812



18.4998, 20.5922, 16.9372



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.



42.0550, 51.3087, 23.6073



71.1764, 89.3506, 32.8803



33.9140, 47.1119, 23.2263



11.2928, 12.2979, 11.3413



22.0679, 30.8717, 4.7957



1.1020, 1.4912, 0.2298

Inverse Universe

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



25.7281, 21.0187, 56.1301



38.4812, 28.6299, 98.1057



33.4015, 24.9745, 56.4892



10.2657, 10.3952, 13.3829



7.3213, 3.0085, 34.9392



0.4097, 0.1749, 1.6573

Previews

White Background



This preview shows how the XYZ color 42.0537, 51.3064, 23.6062 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 42.0537, 51.3064, 23.6062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

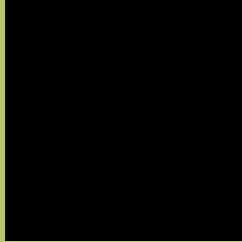
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.0537, 51.3064, 23.6062

Background



This preview shows how black text looks on a background with the XYZ color 42.0537, 51.3064, 23.6062.



This preview shows how white text looks on a background with the XYZ color 42.0537, 51.3064,

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

42.0537, 51.3064, 23.6062

Protanopia

47.2951, 51.3845, 22.4644

Deuteranopia

52.1070, 51.0138, 24.2398



Tritanopia

50.1297, 51.3071, 63.1382

Trichromacy



Original Color

42.0537, 51.3064, 23.6062

Protanomaly

45.2833, 51.3155, 22.8474

Deuteranomaly

47.8452, 50.6739, 24.0889

Tritanomaly

46.5989, 51.1663, 45.4503

Monochromacy



Original Color

42.0537, 51.3064, 23.6062

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

43.4462, 48.3801, 39.3962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0537, 51.3064, 23.6062 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(180, 198, 114)` looks like.

```
.text, #text, p{  
    color:rgb(180, 198, 114)  
}
```

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(180, 198, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 198, 114) }
```

Border

The CSS property to change the border of an element to XYZ 42.0537, 51.3064, 23.6062 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(180, 198, 114) }
```


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

```
.border{ border-color:rgb(180, 198, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 198, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 198, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 198, 114);  
box-shadow:4px 4px 4px 4px rgb(180, 198,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0537, 51.3064, 23.6062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 198, 114) }
```

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

```
.background{ background-color: rgb(180,  
198, 114) }
```

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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