

Converting Colors

XYZ(42.8900, 53.3236, 20.3854)

Have a look what the booklet for
XYZ(42.8900, 53.3236, 20.3854)
contains.

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Color

**XYZ(42.7609, 53.1257,
20.3125)**

Conversions

Conversions Part 1

Format	Color
Hex	B6CA65
RGB	182, 202, 101
RGB Percent	71%, 79%, 40%
CMY	0.2863, 0.2078, 0.6039
CMYK	0.10, 0.00, 0.50, 0.21
HSL	72°, 49%, 59%
HSV	72°, 50%, 79%
XYZ	42.7609, 53.1257, 20.3125
YIQ	184.5060, 20.5010, -35.6510

Conversions

Conversions Part 2

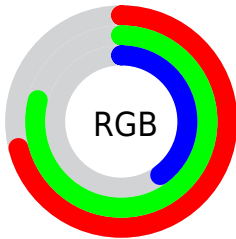
Format	Color
RYB	101, 202, 121
Decimal	11979365
CIELab	77.95, -21.83, 47.70
CIELCh	78, 52.460, 114.589
Yxy	53.1257, 0.3680, 0.4572
Android (android.graphics.Color)	4290169445 (0xFFB6CA65)
YUV	184.5060, -41.1685, -2.1978
Hunter-Lab	72.8874, -22.8322, 34.4980

Details

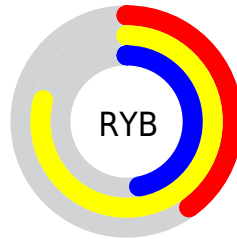
The XYZ color **42.7609, 53.1257, 20.3125** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **23.2015, 17.6380, 58.0618**, and the grayscale version is **46.0541, 48.4525, 52.7648**.

A 20% lighter version of the original color is **77.1893, 92.2038, 44.3007**, and **19.9180, 25.9221, 6.9713** is the 20% darker color. If you saturate the color by 10%, you get **40.9593, 52.2993, 15.6818**, and if you desaturate by 10%, it is **44.8353, 54.0681, 26.2278**.

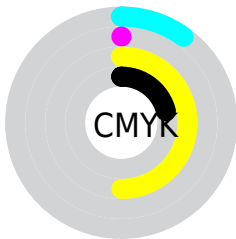
Distribution



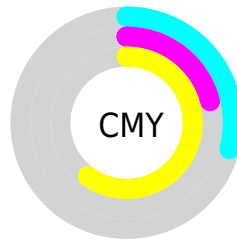
- Red (71%)
- Green (79%)
- Blue (40%)



- Red (40%)
- Yellow (79%)
- Blue (47%)



- Cyan (10%)
- Magenta (0%)
- Yellow (50%)
- Black (21%)



- Cyan (29%)
- Magenta (21%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7609, 53.1257, 20.3125 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 42.7609, 53.1257, 20.3125 by changing the saturation by 10% instead.

■ 42.7609, 53.1257,
20.3125

■ 42.7609, 53.1257,
20.3125

348.5658,
398.7672, 266.2618

■ 29.8913, 37.9031,
12.4361

■ 78.6079, 94.7893,
44.8063

■ 19.9037, 25.9075,
6.9153

■ 102.3160,
121.9991, 62.2608

■ 12.4329, 16.7545,
3.3315

■ 130.3675,
153.9735, 83.7451

■ 7.1135, 10.0596,
1.2663

■ 163.1280,
191.0968, 109.6777

■ 3.5802, 5.4385,
0.0339

200.9627,
233.7534, 140.4771

■ 1.4675, 2.5068,
0.0000

244.2370,

■ 0.3035, 0.8800,

282.3278, 176.5619

0.0000

293.3162,
337.2042, 218.3506

■ 0.0000, 0.0000,
0.0000

■ 42.7609, 53.1257,
20.3125

■ 42.7609, 53.1257,
20.3125

■ 40.9593, 52.2993,
15.6818

■ 44.8353, 54.0681,
26.2278

■ 39.4084, 51.5744,
12.2367

■ 47.1952, 55.1259,
33.5101

■ 38.0884, 50.9450,
9.8694


■ 49.8571, 56.3077,
42.2391


■ 36.9748, 50.4011,
8.4509


■ 52.8348, 57.6190,
52.4872

■ 36.0209, 49.9242,
7.7378


■ 56.1415, 59.0652,
64.3222

 36.0209, 49.9242,
7.7378

 59.7894, 60.6510,
77.8076

 63.7902, 62.3813,
93.0035

 66.9056, 63.7607,
103.3885

 68.0879, 64.3702,
103.4438

Harmonies

Analogous

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



52.3676, 53.1257, 17.9946



42.7609, 53.1257, 20.3125



36.1297, 53.1257, 31.0084

Triad

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



42.7609, 53.1257, 20.3125



39.9557, 53.1257, 116.8049



72.6590, 53.1257, 63.3080

Complementary

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



42.7609, 53.1257, 20.3125



23.2015, 17.6380, 58.0618

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.



68.2365, 53.1257, 96.9037



42.7609, 53.1257, 20.3125



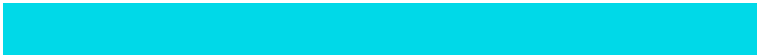
48.6664, 53.1257, 133.7752

Square

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



42.7609, 53.1257, 20.3125



34.6694, 53.1257, 84.5241



59.1082, 53.1257, 125.4778



70.5234, 53.1257, 37.4688

Rectangle

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



42.7609, 53.1257, 20.3125



33.8402, 53.1257, 44.1583



59.1082, 53.1257, 125.4778



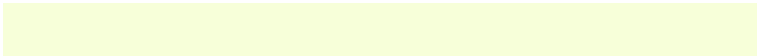
71.8739, 53.1257, 74.1021

Sweetspot

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



42.7622, 53.1281, 20.3136



86.7594, 96.3681, 79.5035



33.3664, 26.8147, 15.7298



18.3427, 20.5265, 16.2389



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.



42.7622, 53.1281, 20.3136



69.1149, 88.4380, 25.9979



33.1416, 48.1685, 19.8634



11.9277, 12.9801, 11.9562



23.2512, 32.1617, 4.9824



1.2564, 1.6885, 0.2597

Inverse Universe

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



23.2015, 17.6380, 58.0618



32.3647, 21.6528, 97.0813



31.8973, 22.1208, 58.4687



10.8058, 10.9492, 14.1142



7.4818, 3.0645, 36.1535



0.4487, 0.1904, 1.8681

Previews

White Background



This preview shows how the XYZ color 42.7609, 53.1257, 20.3125 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 42.7609, 53.1257, 20.3125 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 42.7609, 53.1257, 20.3125

Background



This preview shows how black text looks on a background with the XYZ color 42.7609, 53.1257, 20.3125.



This preview shows how white text looks on a background with the XYZ color 42.7609, 53.1257,

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

42.7609, 53.1257, 20.3125

Protanopia

48.4259, 53.0188, 19.2366

Deuteranopia

53.7960, 52.5697, 20.9473



Tritanopia

51.8022, 52.7525, 65.8445

Trichromacy



Original Color

42.7609, 53.1257, 20.3125

Protanomaly

46.0795, 52.7982, 19.5668

Deuteranomaly

49.2310, 52.4253, 20.6210

Tritanomaly

47.5949, 52.3579, 44.6434

Monochromacy



Original Color

42.7609, 53.1257, 20.3125

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

44.2307, 49.7850, 37.8501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7609, 53.1257, 20.3125 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(182, 202, 101)` looks like.

```
.text, #text, p{  
    color:rgb(182, 202, 101)  
}
```

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(182, 202, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 202, 101) }
```

Border

The CSS property to change the border of an element to XYZ 42.7609, 53.1257, 20.3125 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(182, 202, 101) }
```


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

```
.border{ border-color:rgb(182, 202, 101) }
```

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

Here you see how a box with a 4 pixel rgb(182, 202, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 202, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 202, 101);  
box-shadow:4px 4px 4px 4px rgb(182, 202,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7609, 53.1257, 20.3125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 202, 101) }
```

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

```
.background{ background-color: rgb(182,  
202, 101) }
```

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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