

Converting Colors

XYZ(42.1436, 53.9133, 23.2147)

Have a look what the booklet for
XYZ(42.1436, 53.9133, 23.2147)
contains.

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Color

**XYZ(42.1561, 53.8090,
23.2032)**

Conversions

Conversions Part 1

Format	Color
Hex	AECD6F
RGB	174, 205, 111
RGB Percent	68%, 80%, 44%
CMY	0.3176, 0.1961, 0.5647
CMYK	0.15, 0.00, 0.46, 0.20
HSL	80°, 48%, 62%
HSV	80°, 46%, 80%
XYZ	42.1561, 53.8090, 23.2032
YIQ	185.0150, 11.6980, -35.8060

Conversions

Conversions Part 2

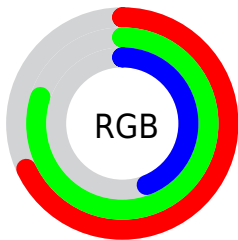
Format	Color
RYB	111, 205, 142
Decimal	11455855
CIELab	78.35, -25.37, 43.21
CIELCh	78, 50.110, 120.420
Yxy	53.8090, 0.3538, 0.4515
Android (android.graphics.Color)	4289645935 (0xFFAECD6F)
YUV	185.0150, -36.4894, -9.6602
Hunter-Lab	73.3546, -25.7886, 32.5939

Details

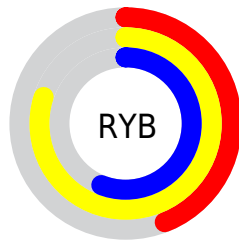
The XYZ color **42.1561, 53.8090, 23.2032** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **27.8613, 21.5289, 60.4477**, and the grayscale version is **46.3157, 48.7277, 53.0645**.

A 20% lighter version of the original color is **75.4158, 91.1893, 48.7484**, and **19.6279, 26.4525, 8.3463** is the 20% darker color. If you saturate the color by 10%, you get **39.6861, 52.6532, 17.8567**, and if you desaturate by 10%, it is **44.9636, 55.1123, 29.9198**.

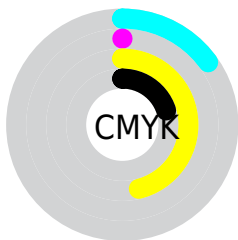
Distribution



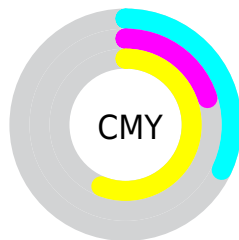
- Red (68%)
- Green (80%)
- Blue (44%)



- Red (44%)
- Yellow (80%)
- Blue (56%)



- Cyan (15%)
- Magenta (0%)
- Yellow (46%)
- Black (20%)





- Cyan (32%)
- Magenta (20%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1561, 53.8090, 23.2032 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 42.1561, 53.8090, 23.2032 by changing the saturation by 10% instead.


 42.1561, 53.8090,
23.2032


 42.1561, 53.8090,
23.2032


346.1103,
401.3813, 281.9226

 29.4152, 38.4490,
14.5369


 77.6995, 95.7937,
49.6542


 19.5410, 26.3313,
8.3520

 101.2327,
123.1873, 68.2760

 12.1681, 17.0717,
4.2300


 129.0940,
155.3607, 91.0533

 6.9313, 10.2856,
1.7524

 161.6489,
192.6986, 118.4048

 3.4651, 5.5887,
0.3963

199.2626,
235.5851, 150.7489

 1.4042, 2.5967,
0.0000

242.3004,

 0.2592, 0.9250,

284.4048, 188.5042

0.0000

291.1279,
339.5421, 232.0893

■ 0.0000, 0.0000,
0.0000

■ 42.1561, 53.8090,
23.2032

■ 42.1561, 53.8090,
23.2032

■ 39.6861, 52.6532,
17.8567

■ 44.9636, 55.1123,
29.9198

■ 37.5307, 51.6300,
13.7821

■ 48.1221, 56.5630,
38.0887

■ 35.6697, 50.7331,
10.8739


■ 51.6488, 58.1700,
47.7897


■ 34.0785, 49.9524,
9.0081


■ 55.5586, 59.9394,
59.0959


■ 32.7266, 49.2757,
8.0304


■ 59.8655, 61.8769,
72.0755

 32.2127, 49.0162,
7.7633

 64.5828, 63.9879,
86.7930

 69.7230, 66.2775,
103.3093

 71.9071, 67.3943,
103.8262

 74.0957, 68.5225,
103.9286

Harmonies

Analogous

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



51.0053, 53.8090, 19.4118



42.1561, 53.8090, 23.2032



36.4013, 53.8090, 35.7198

Triad

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



42.1561, 53.8090, 23.2032



42.3676, 53.8090, 119.4169



72.4738, 53.8090, 58.1926

Complementary

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



42.1561, 53.8090, 23.2032



27.8613, 21.5289, 60.4477

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.



69.4101, 53.8090, 89.5863



42.1561, 53.8090, 23.2032



51.2826, 53.8090, 131.1213

Square

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



42.1561, 53.8090, 23.2032



36.5119, 53.8090, 90.5023



61.3260, 53.8090, 118.7797



69.2403, 53.8090, 35.2275

Rectangle

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



42.1561, 53.8090, 23.2032



34.6753, 53.8090, 50.0323



61.3260, 53.8090, 118.7797



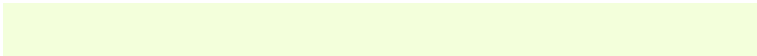
72.1423, 53.8090, 68.0693

Sweetspot

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



42.1574, 53.8114, 23.2043



85.6256, 95.7450, 81.1928



37.5385, 33.1095, 19.4519



18.0410, 20.3634, 16.5677



0.0000, 0.0000, 0.0000



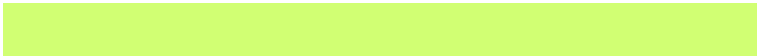
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.1574, 53.8114, 23.2043



65.0615, 86.2696, 29.3669



33.6395, 49.4203, 22.8057



11.7803, 12.9041, 11.9493



20.1565, 30.5664, 4.8375



1.1178, 1.6171, 0.2532

Inverse Universe

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



27.8613, 21.5289, 60.4477



38.8520, 27.0025, 97.7720



37.3874, 26.4397, 60.8935



10.9445, 11.0207, 14.1207



8.4175, 3.5469, 36.1972



0.5143, 0.2242, 1.8711

Previews

White Background



This preview shows how the XYZ color 42.1561, 53.8090, 23.2032 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 42.1561, 53.8090, 23.2032 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

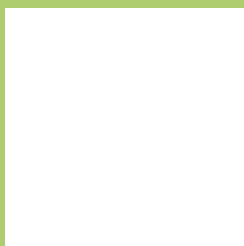
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.1561, 53.8090, 23.2032

Background



This preview shows how black text looks on a background with the XYZ color 42.1561, 53.8090, 23.2032.



This preview shows how white text looks on a background with the XYZ color 42.1561, 53.8090,

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

42.1561, 53.8090, 23.2032

Protanopia

49.1644, 53.3476, 21.6158

Deuteranopia

54.7623, 53.6210, 23.9866



Tritanopia

51.2939, 53.7518, 67.9933

Trichromacy



Original Color

42.1561, 53.8090, 23.2032

Protanomaly

46.2262, 53.1573, 22.0114

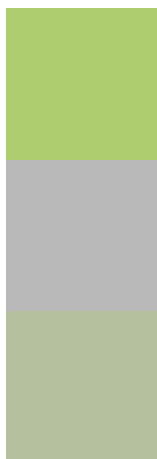
Deuteranomaly

49.3275, 53.0603, 23.5614

Tritanomaly

47.0283, 53.3504, 47.3542

Monochromacy



Original Color

42.1561, 53.8090, 23.2032

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

44.0772, 49.9917, 39.6740

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1561, 53.8090, 23.2032 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(174, 205, 111)` looks like.

```
.text, #text, p{  
    color:rgb(174, 205, 111)  
}
```

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(174, 205, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 205, 111) }
```

Border

The CSS property to change the border of an element to XYZ 42.1561, 53.8090, 23.2032 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(174, 205, 111) }
```


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

```
.border{ border-color:rgb(174, 205, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 205, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 205, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 205, 111);  
box-shadow:4px 4px 4px 4px rgb(174, 205,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1561, 53.8090, 23.2032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 205, 111) }
```

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

```
.background{ background-color: rgb(174,  
205, 111) }
```

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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