

Converting Colors

XYZ(42.8792, 63.8166, 23.4225)

Have a look what the booklet for
XYZ(42.8792, 63.8166, 23.4225)
contains.

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Color

**XYZ(42.8792, 63.8166,
23.4225)**

Conversions

Conversions Part 1

Format	Color
Hex	93E669
RGB	147, 230, 105
RGB Percent	58%, 90%, 41%
CMY	0.4235, 0.0980, 0.5882
CMYK	0.36, 0.00, 0.54, 0.10
HSL	100°, 71%, 66%
HSV	100°, 54%, 90%
XYZ	42.8792, 63.8166, 23.4225
YIQ	190.9330, -9.3430, -56.4710

Conversions

Conversions Part 2

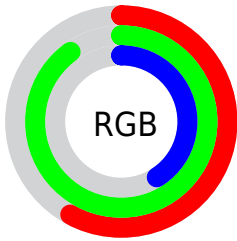
Format	Color
RYB	105, 230, 188
Decimal	9692777
CIELab	83.87, -47.00, 52.35
CIELCh	84, 70.354, 131.914
Yxy	63.8166, 0.3295, 0.4905
Android (android.graphics.Color)	4287882857 (0xFF93E669)
YUV	190.9330, -42.3650, -38.5292
Hunter-Lab	79.8853, -43.9877, 38.5358

Details

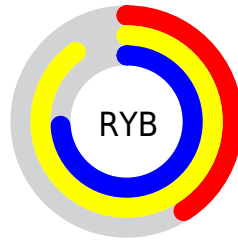
The XYZ color **42.8792, 63.8166, 23.4225** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **40.0767, 26.5098, 77.8711**, and the grayscale version is **49.7256, 52.3152, 56.9713**.

A 20% lighter version of the original color is **67.1948, 87.0023, 46.0525**, and **19.9723, 32.6937, 8.5067** is the 20% darker color. If you saturate the color by 10%, you get **39.2943, 62.0891, 17.8966**, and if you desaturate by 10%, it is **47.1505, 65.8649, 30.6516**.

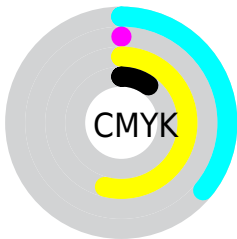
Distribution



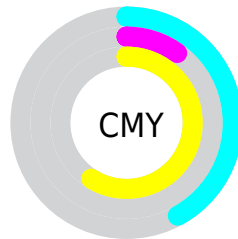
- Red (58%)
- Green (90%)
- Blue (41%)



- Red (41%)
- Yellow (90%)
- Blue (74%)



- Cyan (36%)
- Magenta (0%)
- Yellow (54%)
- Black (10%)





- Cyan (42%)
- Magenta (10%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8792, 63.8166, 23.4225 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 42.8792, 63.8166, 23.4225 by changing the saturation by 10% instead.


 42.8792, 63.8166,
23.4225


 42.8792, 63.8166,
23.4225


349.0447,
438.5271, 283.0796


 29.9845, 46.5021,
14.6976


 78.7854, 110.3468,
50.0181


 19.9748, 32.6423,
8.4631


 102.5275,
140.3313, 68.7259

 12.4849, 21.8525,
4.3007


 130.6162,
175.3079, 91.5983

 7.1494, 13.7486,
1.7917

 163.4167,
215.6611, 119.0539

 3.6028, 7.9460,
0.4225

201.2945,
261.7752, 151.5114

 1.4800, 4.0604,
0.0000

244.6148,

 0.3122, 1.7074,

314.0346, 189.3891

0.0000

293.7431,
372.8238, 233.1056

■ 0.0000, 0.4285,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.8792, 63.8166,
23.4225

■ 42.8792, 63.8166,
23.4225

■ 39.2943, 62.0891,
17.8966

■ 47.1505, 65.8649,
30.6516

■ 36.3506, 60.6563,
13.9300


■ 52.1405, 68.2422,
39.7041


■ 34.0037, 59.5008,
11.3619


■ 57.8849, 70.9662,
50.6940


■ 32.2001, 58.5994,
9.9945

■ 64.4152, 74.0511,
63.7249

 31.3809, 58.1855,
9.5770

 71.7613, 77.5100,
78.8931

 79.9514, 81.3556,
96.2885

 87.1888, 84.8705,
106.3940

 87.5882, 85.0763,
106.4127

Harmonies

Analogous

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



54.7209, 63.8166, 15.0251



42.8792, 63.8166, 23.4225



36.5501, 63.8166, 46.2565

Triad

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



42.8792, 63.8166, 23.4225



51.8839, 63.8166, 185.9670



94.6561, 63.8166, 53.3434

Complementary

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



42.8792, 63.8166, 23.4225



40.0767, 26.5098, 77.8711

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.



93.5456, 63.8166, 99.4220



42.8792, 63.8166, 23.4225



67.0049, 63.8166, 190.5796

Square

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



42.8792, 63.8166, 23.4225



41.1075, 63.8166, 143.3242



82.7703, 63.8166, 154.0897



85.5870, 63.8166, 26.7055

Rectangle

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



42.8792, 63.8166, 23.4225



35.5234, 63.8166, 72.3694



82.7703, 63.8166, 154.0897



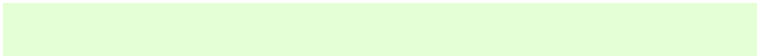
95.4982, 63.8166, 66.6791

Sweetspot

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



42.8807, 63.8193, 23.4239



79.8887, 92.8641, 77.4663



52.7972, 53.0689, 20.8262



16.7239, 19.6994, 15.8254



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.



42.8807, 63.8193, 23.4239



49.2395, 78.2594, 22.0167



37.7468, 61.0488, 28.7814



14.6433, 16.3232, 15.2834



17.8817, 32.9999, 5.4271



1.4174, 2.4881, 0.4055

Inverse Universe

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



40.0767, 26.5098, 77.8711



45.2797, 26.5915, 97.3539



49.4765, 31.6436, 65.2957



14.5001, 14.3600, 18.1519



15.6296, 7.1232, 42.9343



1.2528, 0.5768, 3.1773

Previews

White Background



This preview shows how the XYZ color 42.8792, 63.8166, 23.4225 looks on a white background.

Color Contrast Check

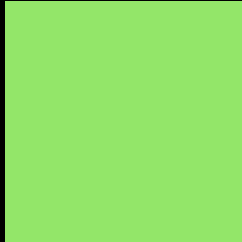
Large Text (above 18pt) WCAG AA × Fail

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 42.8792, 63.8166, 23.4225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

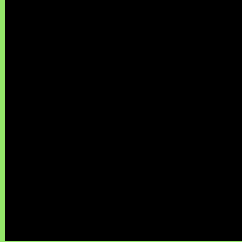
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.8792, 63.8166, 23.4225

Background



This preview shows how black text looks on a background with the XYZ color 42.8792, 63.8166, 23.4225.



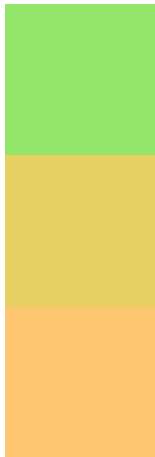
This preview shows how white text looks on a background with the XYZ color 42.8792, 63.8166,

23.4225.

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

42.8792, 63.8166, 23.4225

Protanopia

57.7155, 62.9825, 20.6702

Deuteranopia

64.0478, 62.6513, 24.3400



Tritanopia

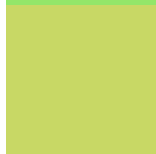
55.5556, 63.3771, 87.1468

Trichromacy



Original Color

42.8792, 63.8166, 23.4225



Protanomaly

50.7242, 62.3307, 21.6695



Deuteranomaly

53.8854, 61.6660, 23.8145



Tritanomaly

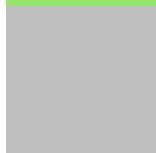
49.3233, 62.7743, 56.5308

Monochromacy



Original Color

42.8792, 63.8166, 23.4225



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

45.8557, 55.3147, 41.5177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8792, 63.8166, 23.4225 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(147, 230, 105)` looks like.

```
.text, #text, p{  
    color:rgb(147, 230, 105)  
}
```

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(147, 230, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 230, 105) }
```

Border

The CSS property to change the border of an element to XYZ 42.8792, 63.8166, 23.4225 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(147, 230, 105) }
```


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

```
.border{ border-color:rgb(147, 230, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 230, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 230, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 230, 105);  
box-shadow:4px 4px 4px 4px rgb(147, 230,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8792, 63.8166, 23.4225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 230, 105) }
```

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

```
.background{ background-color: rgb(147,  
230, 105) }
```

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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