

Converting Colors

XYZ(31.3129, 43.8405, 23.7342)

Have a look what the booklet for
XYZ(31.3129, 43.8405, 23.7342)
contains.

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Color

**XYZ(31.2664, 43.7295,
23.6223)**

Conversions

Conversions Part 1

Format	Color
Hex	82C075
RGB	130, 192, 117
RGB Percent	51%, 75%, 46%
CMY	0.4902, 0.2470, 0.5412
CMYK	0.32, 0.00, 0.39, 0.25
HSL	110°, 37%, 61%
HSV	110°, 39%, 75%
XYZ	31.2664, 43.7295, 23.6223
YIQ	164.9120, -12.8770, -36.4690

Conversions

Conversions Part 2

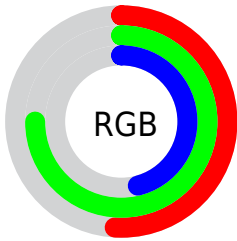
Format	Color
RYB	117, 192, 179
Decimal	8568949
CIELab	72.05, -34.36, 31.63
CIELCh	72, 46.700, 137.367
Yxy	43.7295, 0.3170, 0.4434
Android (android.graphics.Color)	4286759029 (0xFF82C075)
YUV	164.9120, -23.6206, -30.6178
Hunter-Lab	66.1283, -31.3271, 25.1103

Details

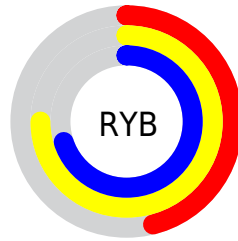
The XYZ color **31.2664, 43.7295, 23.6223** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **34.4682, 26.1134, 53.0953**, and the grayscale version is **35.8370, 37.7033, 41.0589**.

A 20% lighter version of the original color is **61.1390, 80.9679, 50.4362**, and **13.1622, 20.1600, 8.5077** is the 20% darker color. If you saturate the color by 10%, you get **28.0018, 42.1652, 18.1691**, and if you desaturate by 10%, it is **35.1404, 45.5838, 30.3145**.

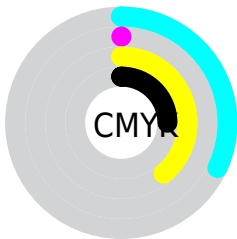
Distribution



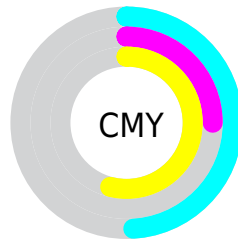
- Red (51%)
- Green (75%)
- Blue (46%)



- Red (46%)
- Yellow (75%)
- Blue (70%)



- Cyan (32%)
- Magenta (0%)
- Yellow (39%)
- Black (25%)



- Cyan (49%)
- Magenta (25%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2664, 43.7295, 23.6223 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 31.2664, 43.7295, 23.6223 by changing the saturation by 10% instead.

■ 31.2664, 43.7295,
23.6223

■ 31.2664, 43.7295,
23.6223

299.5688,
361.6033, 284.1302

■ 20.9546, 30.4579,
14.8441

■ 61.0322, 80.8106,
50.3492

■ 13.2031, 20.1864,
8.5646

■ 81.2170, 105.3888,
69.1350

■ 7.6465, 12.5306,
4.3654

■ 105.4235,
134.5047, 92.0937

■ 3.9195, 7.1061,
1.8279

134.0170,
168.5427, 119.6439

■ 1.6567, 3.5286,
0.4462

167.3629,
207.8872, 152.2041

■ 0.4289, 1.4135,
0.0000

205.8266,

■ 0.0000, 0.2267,

252.9225, 190.1928

0.0000

249.7735,
304.0331, 234.0287

■ 0.0000, 0.0000,
0.0000

■ 31.2664, 43.7295,
23.6223

■ 31.2664, 43.7295,
23.6223

■ 28.0018, 42.1652,
18.1691

■ 35.1404, 45.5838,
30.3145

■ 25.3118, 40.8707,
13.8760

■ 39.6496, 47.7360,
38.3122

■ 23.1633, 39.8321,
10.6599


■ 44.8223, 50.2007,
47.6808


■ 21.5182, 39.0317,
8.4251


■ 50.6841, 52.9896,
58.4801


■ 20.3329, 38.4496,
7.0593


■ 57.2592, 56.1140,
70.7667

 19.5455, 38.0583,
6.3675

 64.5706, 59.5847,
84.5941

 19.4866, 38.0290,
6.3133

 72.6405, 63.4120,
100.0130

 78.1406, 66.1811,
103.2635

Harmonies

Analogous

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



37.1499, 43.7295, 16.7833



31.2664, 43.7295, 23.6223



28.3174, 43.7295, 38.6357

Triad

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



31.2664, 43.7295, 23.6223



38.2974, 43.7295, 104.6519



57.9947, 43.7295, 35.6651

Complementary

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



31.2664, 43.7295, 23.6223



34.4682, 26.1134, 53.0953

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.



58.4052, 43.7295, 57.8855



31.2664, 43.7295, 23.6223



46.3137, 43.7295, 103.0718

Square

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



31.2664, 43.7295, 23.6223



32.0135, 43.7295, 87.8116



53.9046, 43.7295, 84.0080



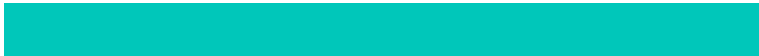
52.8458, 43.7295, 22.0501

Rectangle

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



31.2664, 43.7295, 23.6223



28.1283, 43.7295, 53.4737



53.9046, 43.7295, 84.0080



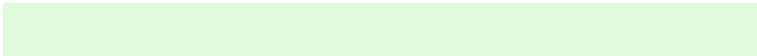
58.7129, 43.7295, 42.1988

Sweetspot

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



31.2675, 43.7314, 23.6233



78.1465, 89.4968, 80.8049



40.9212, 44.4333, 23.2499



16.4966, 19.0722, 16.8481



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



31.2675, 43.7314, 23.6233



51.4496, 76.7403, 34.0912



30.9763, 43.3989, 31.8471



10.1036, 11.3409, 10.7184



13.1583, 25.6122, 4.2501



0.6199, 1.1331, 0.1860

Inverse Universe

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



34.4682, 26.1134, 53.0953



58.0390, 40.2677, 95.0737



35.1924, 26.7667, 40.4814



10.3205, 10.1564, 12.7013



16.0449, 7.5319, 34.1648



0.7394, 0.3492, 1.4783

Previews

White Background



This preview shows how the XYZ color 31.2664, 43.7295, 23.6223 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 31.2664, 43.7295, 23.6223 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 31.2664, 43.7295, 23.6223

Background



This preview shows how black text looks on a background with the XYZ color 31.2664, 43.7295, 23.6223.



This preview shows how white text looks on a background with the XYZ color 31.2664, 43.7295,

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

31.2664, 43.7295, 23.6223

Protanopia

40.1328, 43.4048, 21.3017

Deuteranopia

44.0938, 43.1120, 24.4098



Tritanopia

38.3076, 43.4164, 59.1845

Trichromacy



Original Color

31.2664, 43.7295, 23.6223

Protanomaly

36.0708, 43.0832, 22.0375

Deuteranomaly

38.1684, 42.6241, 23.9849

Tritanomaly

35.2742, 43.4339, 43.5702

Monochromacy



Original Color

31.2664, 43.7295, 23.6223

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

33.6242, 39.4735, 33.8639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2664, 43.7295, 23.6223 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(130, 192, 117)` looks like.

```
.text, #text, p{  
    color:rgb(130, 192, 117)  
}
```

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(130, 192, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 192, 117) }
```

Border

The CSS property to change the border of an element to XYZ 31.2664, 43.7295, 23.6223 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(130, 192, 117) }
```


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

```
.border{ border-color:rgb(130, 192, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 192, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(130, 192, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(130, 192, 117); box-shadow:4px 4px 4px 4px rgb(130, 192, 117) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2664, 43.7295, 23.6223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 192, 117) }
```

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

```
.background{ background-color: rgb(130,  
192, 117) }
```

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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