

Converting Colors

XYZ(24.1633, 44.2139, 20.7332)

Have a look what the booklet for
XYZ(24.1633, 44.2139, 20.7332)
contains.

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Color

**XYZ(24.1427, 44.2057,
20.6247)**

Conversions

Conversions Part 1

Format	Color
Hex	00CC69
RGB	0, 204, 105
RGB Percent	0%, 80%, 41%
CMY	1.0000, 0.2000, 0.5882
CMYK	1.00, 0.00, 0.49, 0.20
HSL	151°, 100%, 40%
HSV	151°, 100%, 80%
XYZ	24.1427, 44.2057, 20.6247
YIQ	131.7180, -89.8050, -74.0370

Conversions

Conversions Part 2

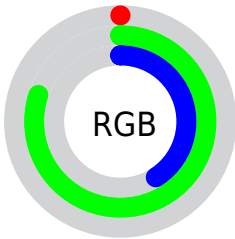
Format	Color
RYB	0, 135, 204
Decimal	52329
CIELab	72.37, -64.23, 37.49
CIELCh	72, 74.375, 149.727
Yxy	44.2057, 0.2713, 0.4968
Android (android.graphics.Color)	4278242409 (0xFF00CC69)
YUV	131.7180, -13.1720, -115.5167
Hunter-Lab	66.4874, -51.5365, 28.1491

Details

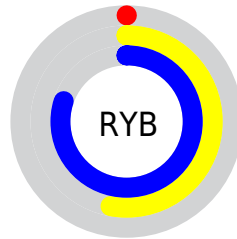
The XYZ color **24.1427, 44.2057, 20.6247** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **27.1557, 13.7392, 13.0282**, and the grayscale version is **21.9015, 23.0421, 25.0929**.

A 20% lighter version of the original color is **47.4110, 76.8134, 44.6754**, and **11.2795, 21.4556, 7.1613** is the 20% darker color. If you saturate the color by 10%, you get **24.1434, 44.2073, 20.6242**, and if you desaturate by 10%, it is **24.9796, 44.5761, 23.4780**.

Distribution



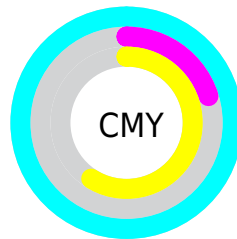
- Red (0%)
- Green (80%)
- Blue (41%)



- Red (0%)
- Yellow (53%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1427, 44.2057, 20.6247 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 24.1427, 44.2057, 20.6247 by changing the saturation by 10% instead.


 24.1427, 44.2057,
20.6247


 24.1427, 44.2057,
20.6247


265.9682,
363.5470, 267.9924


 15.5648, 30.8323,
12.6614


 49.7159, 81.5272,
45.3347


 9.3056, 20.4711,
7.0678


 67.4420, 106.2440,
62.9185


 4.9998, 12.7380,
3.4255


 88.9482, 135.5108,
84.5463

 2.2819, 7.2484,
1.3158

 114.5999,
169.7118, 110.6364

 0.7854, 3.6179,
0.0747

 144.7623,
209.2316, 141.6076

 0.0000, 1.4622,
0.0000

179.8010,

 0.0000, 0.2619,

254.4544, 177.8783

0.0000

220.0812,
305.7648, 219.8670

■ 0.0000, 0.0000,
0.0000

■ 24.1427, 44.2057,
20.6247

■ 24.1427, 44.2057,
20.6247

■ 24.1434, 44.2073,
20.6242

■ 24.9796, 44.5761,
23.4780

■ 26.1899, 45.1307,
26.6672

■ 27.8837, 45.9273,
30.2080

■ 30.1203, 46.9962,
34.1124

■ 32.9497, 48.3630,
38.3916

■ 36.4161, 50.0503,
43.0562

■ 40.5593, 52.0785,
48.1161

■ 45.4155, 54.4661,
53.5811

■ 51.0186, 57.2302,
59.4605

Harmonies

Analogous

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



30.9550, 44.2057, 9.2019



24.1427, 44.2057, 20.6247



21.8966, 44.2057, 47.7974

Triad

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



24.1427, 44.2057, 20.6247



41.8990, 44.2057, 158.6312



67.2194, 44.2057, 20.9571

Complementary

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



24.1427, 44.2057, 20.6247



27.1557, 13.7392, 13.0282

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.



71.7478, 44.2057, 48.4692



24.1427, 44.2057, 20.6247



55.4409, 44.2057, 138.9627

Square

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



24.1427, 44.2057, 20.6247



30.7895, 44.2057, 138.2827



67.0591, 44.2057, 93.1305



55.6857, 44.2057, 9.3139

Rectangle

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



24.1427, 44.2057, 20.6247



22.8452, 44.2057, 76.0615



67.0591, 44.2057, 93.1305



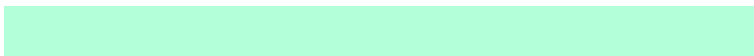
69.7043, 44.2057, 28.0446

Sweetspot

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



24.1438, 44.2075, 20.6257



66.8733, 86.0996, 79.3370



27.0741, 46.0127, 7.4547



13.6604, 18.1087, 16.2004



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.



24.1438, 44.2075, 20.6257



39.8733, 73.1653, 33.5803



32.4934, 47.5473, 64.5940



11.3050, 12.6318, 13.1638



15.2428, 27.8424, 13.2295



0.8246, 1.4517, 0.8840

Inverse Universe

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



27.1557, 13.7392, 13.0282



44.8627, 22.7091, 21.0068



24.9030, 12.8382, 1.1658



11.4354, 11.3029, 12.8273



17.1379, 8.6657, 8.4446



0.9224, 0.4624, 0.6374

Previews

White Background



This preview shows how the XYZ color 24.1427, 44.2057, 20.6247 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 24.1427, 44.2057, 20.6247 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

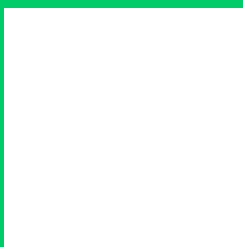
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.1427, 44.2057, 20.6247

Background



This preview shows how black text looks on a background with the XYZ color 24.1427, 44.2057, 20.6247.



This preview shows how white text looks on a background with the XYZ color 24.1427, 44.2057,

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

24.1427, 44.2057, 20.6247

Protanopia

39.8390, 43.3462, 17.0934

Deuteranopia

44.1913, 43.2172, 21.9322



Tritanopia

33.5970, 44.3137, 66.4572

Trichromacy



Original Color

24.1427, 44.2057, 20.6247



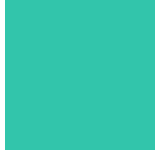
Protanomaly

27.9794, 40.2296, 18.0948



Deuteranomaly

29.3848, 39.3463, 21.0848



Tritanomaly

28.6323, 43.5509, 45.4252

Monochromacy



Original Color

24.1427, 44.2057, 20.6247



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

19.3959, 27.7437, 22.7452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1427, 44.2057, 20.6247 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(0, 204, 105)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 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(0, 204, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 105) }
```

Border

The CSS property to change the border of an element to XYZ 24.1427, 44.2057, 20.6247 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(0, 204, 105) }
```


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

```
.border{ border-color:rgb(0, 204, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 105);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1427, 44.2057, 20.6247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 105) }
```

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

```
.background{ background-color: rgb(0, 204,  
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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