

Converting Colors

XYZ(22.6641, 42.1471, 15.9582)

Have a look what the booklet for
XYZ(22.6641, 42.1471, 15.9582)
contains.

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Color

**XYZ(22.6631, 42.1454,
15.9572)**

Conversions

Conversions Part 1

Format	Color
Hex	14C857
RGB	20, 200, 87
RGB Percent	8%, 78%, 34%
CMY	0.9215, 0.2157, 0.6588
CMYK	0.90, 0.00, 0.56, 0.22
HSL	142°, 82%, 43%
HSV	142°, 90%, 78%
XYZ	22.6631, 42.1454, 15.9572
YIQ	133.2980, -71.0070, -73.3030

Conversions

Conversions Part 2

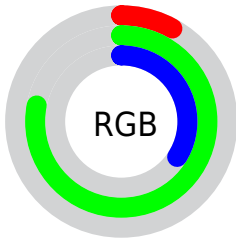
Format	Color
RYB	20, 151, 200
Decimal	1362007
CIELab	70.97, -64.83, 44.50
CIELCh	71, 78.633, 145.530
Yxy	42.1454, 0.2806, 0.5218
Android (android.graphics.Color)	4279552087 (0xFF14C857)
YUV	133.2980, -22.8249, -99.3623
Hunter-Lab	64.9195, -51.2956, 30.8702

Details

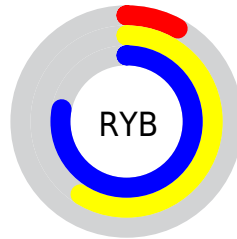
The XYZ color **22.6631, 42.1454, 15.9572** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **28.3047, 14.4740, 23.4948**, and the grayscale version is **22.5036, 23.6756, 25.7827**.

A 20% lighter version of the original color is **46.3193, 76.4167, 37.1196**, and **10.2766, 20.0679, 4.9220** is the 20% darker color. If you saturate the color by 10%, you get **21.9063, 41.8107, 13.4735**, and if you desaturate by 10%, it is **23.8094, 42.6730, 18.9268**.

Distribution



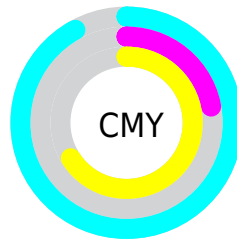
- Red (8%)
- Green (78%)
- Blue (34%)



- Red (8%)
- Yellow (59%)
- Blue (78%)



- Cyan (90%)
- Magenta (0%)
- Yellow (56%)
- Black (22%)





- Cyan (92%)
- Magenta (22%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.6631, 42.1454, 15.9572 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 22.6631, 42.1454, 15.9572 by changing the saturation by 10% instead.


 22.6631, 42.1454,
15.9572


 22.6631, 42.1454,
15.9572


258.5576,
355.0853, 240.9261


 14.4643, 29.2152,
9.3398


 47.3103, 78.4196,
37.2896


 8.5281, 19.2436,
4.8637


 64.4893, 102.5324,
52.8418

 4.4893, 11.8465,
2.1102


 85.3925, 131.1415,
72.2093

 1.9825, 6.6392,
0.6218

 110.3852,
164.6313, 95.8107

 0.6241, 3.2375,
0.0000

 139.8327,
203.3862, 124.0646

 0.0000, 1.2570,
0.0000

174.1003,

 0.0000, 0.1075,

247.7905, 157.3894

0.0000

213.5535,
298.2288, 196.2037

■ 0.0000, 0.0000,
0.0000

■ 22.6631, 42.1454,
15.9572

■ 22.6631, 42.1454,
15.9572

■ 21.9063, 41.8107,
13.4735

■ 23.8094, 42.6730,
18.9268

■ 21.9061, 41.8106,
13.4728

■ 25.4501, 43.4435,
22.4069

■ 27.6447, 44.4882,
26.4221

■ 30.4432, 45.8326,
30.9945

■ 33.8896, 47.4989,
36.1448

■ 38.0236, 49.5071,
41.8925

■ 42.8817, 51.8757,
48.2565

■ 48.4977, 54.6218,
55.2544

■ 54.9033, 57.7614,
62.9035

Harmonies

Analogous

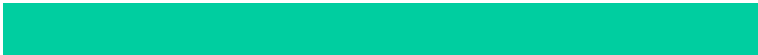
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.1466, 42.1454, 6.7092



22.6631, 42.1454, 15.9572



19.8163, 42.1454, 40.4892

Triad

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



22.6631, 42.1454, 15.9572



38.1252, 42.1454, 162.0451



67.3809, 42.1454, 21.2780

Complementary

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



22.6631, 42.1454, 15.9572



28.3047, 14.4740, 23.4948

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.



70.8101, 42.1454, 51.7491



22.6631, 42.1454, 15.9572



51.9334, 42.1454, 146.7194

Square

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



22.6631, 42.1454, 15.9572



27.4179, 42.1454, 134.8433



64.6401, 42.1454, 100.0746



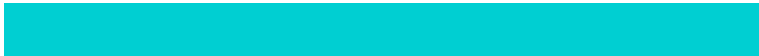
56.0855, 42.1454, 8.3951

Rectangle

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



22.6631, 42.1454, 15.9572



20.3487, 42.1454, 68.0583



64.6401, 42.1454, 100.0746



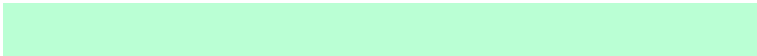
69.5840, 42.1454, 29.1474

Sweetspot

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



22.6641, 42.1471, 15.9582



67.9017, 86.7201, 75.2995



30.6137, 46.4294, 8.0104



13.9493, 18.2771, 15.3334



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.



22.6641, 42.1471, 15.9582



37.8216, 72.3446, 22.7763



28.7806, 44.5937, 48.1669



10.6580, 11.9521, 12.1492



13.9682, 26.5996, 8.7769



0.6964, 1.2735, 0.5997

Inverse Universe

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



28.3047, 14.4740, 23.4948



47.5928, 23.8011, 35.3832



24.5254, 12.9623, 3.5928



10.9092, 10.7471, 12.5051



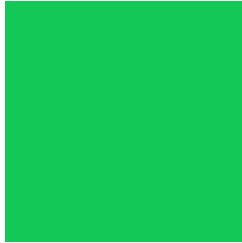
17.5662, 8.7760, 13.4573



0.8660, 0.4292, 0.8173

Previews

White Background



This preview shows how the XYZ color 22.6631, 42.1454, 15.9572 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 22.6631, 42.1454, 15.9572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

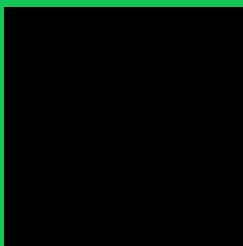
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

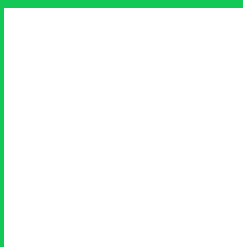
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.6631, 42.1454, 15.9572

Background



This preview shows how black text looks on a background with the XYZ color 22.6631, 42.1454, 15.9572.

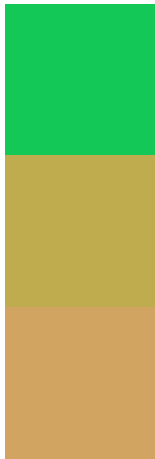


This preview shows how white text looks on a background with the XYZ color 22.6631, 42.1454,

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

22.6631, 42.1454, 15.9572

Protanopia

37.6135, 41.1315, 13.1644

Deuteranopia

42.0115, 41.1156, 17.0311



Tritanopia

32.0710, 41.9837, 62.9133

Trichromacy



Original Color

22.6631, 42.1454, 15.9572



Protanomaly

27.2664, 38.7171, 13.8206



Deuteranomaly

28.6824, 37.8973, 16.1591



Tritanomaly

27.0276, 41.1720, 40.2407

Monochromacy



Original Color

22.6631, 42.1454, 15.9572



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

19.6230, 27.6502, 20.8258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6631, 42.1454, 15.9572 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(20, 200, 87)` looks like.

```
.text, #text, p{  
    color:rgb(20, 200, 87)  
}
```

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(20, 200, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 200, 87) }
```

Border

The CSS property to change the border of an element to XYZ 22.6631, 42.1454, 15.9572 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(20, 200, 87) }
```


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

```
.border{ border-color:rgb(20, 200, 87) }
```

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

Here you see how a box with a 4 pixel rgb(20, 200, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 200, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 200, 87);  
box-shadow:4px 4px 4px 4px rgb(20, 200,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6631, 42.1454, 15.9572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 200, 87) }
```

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

```
.background{ background-color: rgb(20, 200,  
87) }
```

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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