

Converting Colors

XYZ(22.1590, 41.3511, 15.1698)

Have a look what the booklet for
XYZ(22.1590, 41.3511, 15.1698)
contains.

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Color

**XYZ(22.0828, 41.1770,
15.1716)**

Conversions

Conversions Part 1

Format	Color
Hex	14C654
RGB	20, 198, 84
RGB Percent	8%, 78%, 33%
CMY	0.9216, 0.2235, 0.6706
CMYK	0.90, 0.00, 0.58, 0.22
HSL	142°, 82%, 43%
HSV	142°, 90%, 78%
XYZ	22.0828, 41.1770, 15.1716
YIQ	131.7820, -69.4940, -73.1900

Conversions

Conversions Part 2

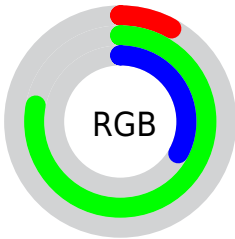
Format	Color
R _Y B	20, 151, 198
Decimal	1361492
CIE Lab	70.30, -64.60, 45.11
CIE LCh	70, 78.791, 145.076
Yxy	41.1770, 0.2816, 0.5250
Android (android.graphics.Color)	4279551572 (0xFF14C654)
YUV	131.7820, -23.5565, -98.0328
Hunter-Lab	64.1693, -50.8685, 30.9005

Details

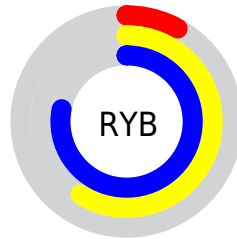
The XYZ color **22.0828, 41.1770, 15.1716** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **27.8431, 14.2280, 23.8341**, and the grayscale version is **21.9547, 23.0980, 25.1537**.

A 20% lighter version of the original color is **46.1011, 76.3294, 35.9702**, and **9.9337, 19.4503, 4.5972** is the 20% darker color. If you saturate the color by 10%, you get **21.3451, 40.8502, 12.7755**, and if you desaturate by 10%, it is **23.2053, 41.6942, 18.0570**.

Distribution



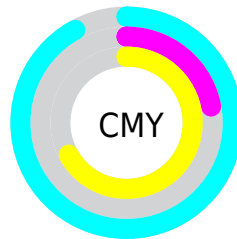
- Red (8%)
- Green (78%)
- Blue (33%)



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



- Cyan (90%)
- Magenta (0%)
- Yellow (58%)
- Black (22%)



- Cyan (92%)
- Magenta (22%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0828, 41.1770, 15.1716 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 22.0828, 41.1770, 15.1716 by changing the saturation by 10% instead.

■ 22.0828, 41.1770,
15.1716

■ 22.0828, 41.1770,
15.1716

255.6026,
351.0598, 236.0790

■ 14.0347, 28.4574,
8.7919

■ 46.3606, 76.9525,
35.9005

■ 8.2267, 18.6708,
4.5108

■ 63.3211, 100.7772,
51.0868

■ 4.2933, 11.4326,
1.9095

■ 83.9830, 129.0724,
70.0458

■ 1.8694, 6.3586,
0.4988

■ 108.7118,
162.2226, 93.1959

■ 0.5590, 3.0643,
0.0000

■ 137.8728,
200.6120, 120.9557

■ 0.0000, 1.1654,
0.0000

171.8314,

■ 0.0000, 0.0332,

244.6250, 153.7438

0.0000

210.9529,
294.6462, 191.9787

■ 0.0000, 0.0000,
0.0000

■ 22.0828, 41.1770,
15.1716

■ 22.0828, 41.1770,
15.1716

■ 21.3451, 40.8502,
12.7755

■ 23.2053, 41.6942,
18.0570

■ 21.3384, 40.8472,
12.7533

■ 24.8145, 42.4502,
21.4572

■ 26.9688, 43.4757,
25.3978

■ 29.7168, 44.7956,
29.9015

■ 33.1019, 46.4315,
34.9898

■ 37.1628, 48.4032,
40.6830

■ 41.9355, 50.7287,
47.0005

■ 47.4530, 53.4247,
53.9605

■ 53.7463, 56.5069,
61.5808

Harmonies

Analogous

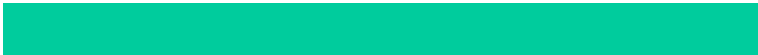
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.5150, 41.1770, 6.3178



22.0828, 41.1770, 15.1716



19.2208, 41.1770, 38.9953

Triad

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



22.0828, 41.1770, 15.1716



37.0416, 41.1770, 159.8188



66.2609, 41.1770, 20.9159

Complementary

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



22.0828, 41.1770, 15.1716



27.8431, 14.2280, 23.8341

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.



69.5121, 41.1770, 51.2299



22.0828, 41.1770, 15.1716



50.6524, 41.1770, 145.2340

Square

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



22.0828, 41.1770, 15.1716



26.5567, 41.1770, 132.2576



63.2748, 41.1770, 99.2199



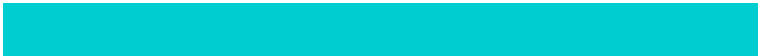
55.1712, 41.1770, 8.1220

Rectangle

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



22.0828, 41.1770, 15.1716



19.7004, 41.1770, 66.0296



63.2748, 41.1770, 99.2199



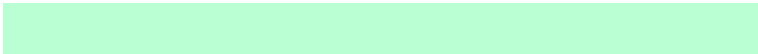
68.3973, 41.1770, 28.7433

Sweetspot

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



22.0838, 41.1787, 15.1725



67.7921, 86.6763, 74.7229



30.4264, 45.6497, 7.8696



13.9238, 18.2669, 15.1991



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.



22.0838, 41.1787, 15.1725



37.6781, 72.2872, 22.0204



27.8631, 43.4904, 45.6058



10.6524, 11.9499, 12.1198



13.9138, 26.5779, 8.4909



0.6934, 1.2723, 0.5843

Inverse Universe

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



27.8431, 14.2280, 23.8341



47.8791, 23.9156, 36.8908



24.0470, 12.7095, 3.8438



10.9150, 10.7494, 12.5356



17.6705, 8.8178, 14.0066



0.8704, 0.4310, 0.8408

Previews

White Background



This preview shows how the XYZ color 22.0828, 41.1770, 15.1716 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 22.0828, 41.1770, 15.1716 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 22.0828, 41.1770, 15.1716

Background



This preview shows how black text looks on a background with the XYZ color 22.0828, 41.1770, 15.1716.



This preview shows how white text looks on a background with the XYZ color 22.0828, 41.1770,

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

22.0828, 41.1770, 15.1716

Protanopia

36.8192, 40.4526, 12.5242

Deuteranopia

40.9531, 40.0587, 16.1633



Tritanopia

31.4098, 41.0403, 61.5244

Trichromacy



Original Color

22.0828, 41.1770, 15.1716



Protanomaly

26.8011, 38.1870, 13.1660



Deuteranomaly

27.9907, 36.9736, 15.3342



Tritanomaly

26.3299, 40.1951, 38.7184

Monochromacy



Original Color

22.0828, 41.1770, 15.1716



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

19.2974, 27.2389, 20.4602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0828, 41.1770, 15.1716 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, 198, 84)` looks like.

```
.text, #text, p{  
    color:rgb(20, 198, 84)  
}
```

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, 198, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 198, 84) }
```

Border

The CSS property to change the border of an element to XYZ 22.0828, 41.1770, 15.1716 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, 198, 84) }
```


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

```
.border{ border-color:rgb(20, 198, 84) }
```

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

Here you see how a box with a 4 pixel rgb(20, 198, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 198, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 198, 84);  
box-shadow:4px 4px 4px 4px rgb(20, 198,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0828, 41.1770, 15.1716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 198, 84) }
```

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

```
.background{ background-color: rgb(20, 198,  
84) }
```

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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