

Converting Colors

XYZ(24.1447, 42.0835, 22.3356)

Have a look what the booklet for
XYZ(24.1447, 42.0835, 22.3356)
contains.

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Color

**XYZ(24.1710, 42.0940,
22.4738)**

Conversions

Conversions Part 1

Format	Color
Hex	2BC671
RGB	43, 198, 113
RGB Percent	17%, 78%, 44%
CMY	0.8314, 0.2235, 0.5569
CMYK	0.78, 0.00, 0.43, 0.22
HSL	147°, 64%, 47%
HSV	147°, 78%, 78%
XYZ	24.1710, 42.0940, 22.4738
YIQ	141.9650, -65.0950, -59.2950

Conversions

Conversions Part 2

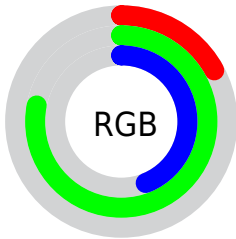
Format	Color
RYB	43, 150, 198
Decimal	2868849
CIELab	70.94, -57.94, 31.69
CIELCh	71, 66.046, 151.323
Yxy	42.0940, 0.2724, 0.4744
Android (android.graphics.Color)	4281058929 (0xFF2BC671)
YUV	141.9650, -14.2797, -86.7923
Hunter-Lab	64.8799, -47.0396, 24.8784

Details

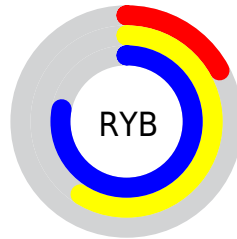
The XYZ color **24.1710, 42.0940, 22.4738** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **28.0503, 15.2930, 21.8974**, and the grayscale version is **25.7716, 27.1137, 29.5268**.

A 20% lighter version of the original color is **49.5824, 77.8506, 48.4898**, and **10.7197, 20.0038, 7.9988** is the 20% darker color. If you saturate the color by 10%, you get **22.9583, 41.5365, 19.4151**, and if you desaturate by 10%, it is **25.8616, 42.8918, 25.9386**.

Distribution



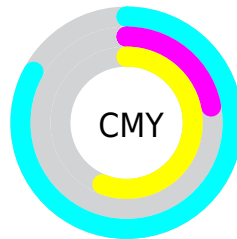
- Red (17%)
- Green (78%)
- Blue (44%)



- Red (17%)
- Yellow (59%)
- Blue (78%)



- Cyan (78%)
- Magenta (0%)
- Yellow (43%)
- Black (22%)





- Cyan (83%)
- Magenta (22%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.1710, 42.0940, 22.4738 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 24.1710, 42.0940, 22.4738 by changing the saturation by 10% instead.


 24.1710, 42.0940,
22.4738


 24.1710, 42.0940,
22.4738


266.1083,
354.8725, 278.0445


 15.5859, 29.1749,
14.0038


 49.7617, 78.3419,
48.4400


 9.3206, 19.2132,
7.9845


 67.4981, 102.4394,
66.7734


 5.0097, 11.8244,
3.9974


 89.0157, 131.0319,
89.2316

 2.2878, 6.6242,
1.6239

 114.6798,
164.5038, 116.2332

 0.7884, 3.2282,
0.3078

 144.8557,
203.2394, 148.1967

 0.0000, 1.2520,
0.0000

179.9089,

 0.0000, 0.1036,

247.6231, 185.5408

0.0000

220.2046,
298.0393, 228.6838

■ 0.0000, 0.0000,
0.0000

■ 24.1710, 42.0940,
22.4738

■ 24.1710, 42.0940,
22.4738

■ 22.9583, 41.5365,
19.4151

■ 25.8616, 42.8918,
25.9386

■ 22.1381, 41.1719,
16.7424


■ 28.0808, 43.9522,
29.8218


■ 22.0157, 41.1180,
16.3199


■ 30.8759, 45.3004,
34.1387


■ 34.2878, 46.9574,
38.9030

■ 38.3536, 48.9420,
44.1275

 43.1071, 51.2713,
49.8245

 48.5801, 53.9616,
56.0058

 54.8020, 57.0278,
62.6830

 61.8007, 60.4840,
69.8670

Harmonies

Analogous

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



29.9883, 42.0940, 11.1143



24.1710, 42.0940, 22.4738



22.3674, 42.0940, 47.2465

Triad

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



24.1710, 42.0940, 22.4738



40.4996, 42.0940, 137.0034



60.9382, 42.0940, 21.0005

Complementary

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



24.1710, 42.0940, 22.4738



28.0503, 15.2930, 21.8974

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.



65.1040, 42.0940, 44.4484



24.1710, 42.0940, 22.4738



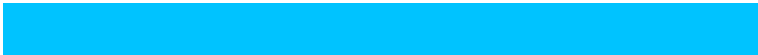
52.0453, 42.0940, 119.5148

Square

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



24.1710, 42.0940, 22.4738



30.6918, 42.0940, 122.1848



61.5872, 42.0940, 81.4875



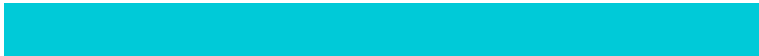
51.0436, 42.0940, 10.5791

Rectangle

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



24.1710, 42.0940, 22.4738



23.3607, 42.0940, 71.5825



61.5872, 42.0940, 81.4875



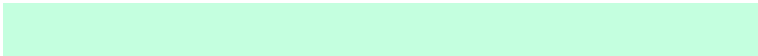
63.1286, 42.0940, 27.1437

Sweetspot

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



24.1721, 42.0957, 22.4748



71.9133, 88.6217, 83.0120



29.5713, 45.1731, 9.4466



14.7504, 18.6543, 16.9889



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.



24.1721, 42.0957, 22.4748



39.5716, 73.0680, 30.9375



30.5133, 44.6322, 55.8672



10.6933, 11.9662, 12.3349



14.3587, 26.7559, 10.8336



0.7163, 1.2814, 0.7046

Inverse Universe

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



28.0503, 15.2930, 21.8974



46.6620, 23.7090, 29.6183



24.7458, 13.9712, 4.4961



10.8731, 10.7326, 12.3152



16.9694, 8.5373, 10.3148



0.8397, 0.4187, 0.6788

Previews

White Background



This preview shows how the XYZ color 24.1710, 42.0940, 22.4738 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 24.1710, 42.0940, 22.4738 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 24.1710, 42.0940, 22.4738

Background



This preview shows how black text looks on a background with the XYZ color 24.1710, 42.0940, 22.4738.

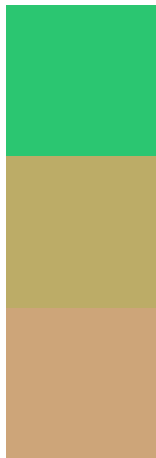


This preview shows how white text looks on a background with the XYZ color 24.1710, 42.0940,

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

24.1710, 42.0940, 22.4738

Protanopia

37.9397, 41.1757, 18.7800

Deuteranopia

42.0832, 41.2699, 23.8370



Tritanopia

32.3300, 42.1172, 62.9254

Trichromacy



Original Color

24.1710, 42.0940, 22.4738



Protanomaly

29.1694, 39.2602, 19.9505



Deuteranomaly

30.8462, 38.8633, 23.0151



Tritanomaly

28.4892, 41.8305, 44.6028

Monochromacy



Original Color

24.1710, 42.0940, 22.4738



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

22.9609, 30.5435, 26.1581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1710, 42.0940, 22.4738 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(43, 198, 113)` looks like.

```
.text, #text, p{  
    color:rgb(43, 198, 113)  
}
```

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(43, 198, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 198, 113) }
```

Border

The CSS property to change the border of an element to XYZ 24.1710, 42.0940, 22.4738 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(43, 198, 113) }
```


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

```
.border{ border-color:rgb(43, 198, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 198, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 198, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 198, 113);  
box-shadow:4px 4px 4px 4px rgb(43, 198,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1710, 42.0940, 22.4738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 198, 113) }
```

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

```
.background{ background-color: rgb(43, 198,  
113) }
```

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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