

Converting Colors

XYZ(24.6390, 42.0176, 21.5925)

Have a look what the booklet for
XYZ(24.6390, 42.0176, 21.5925)
contains.

XYZ(24.6442, 42.0190, 21.5634)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.6442, 42.0190,
21.5634)**

Conversions

Conversions Part 1

Format	Color
Hex	3CC56E
RGB	60, 197, 110
RGB Percent	24%, 77%, 43%
CMY	0.7647, 0.2274, 0.5686
CMYK	0.70, 0.00, 0.44, 0.23
HSL	142°, 54%, 50%
HSV	142°, 70%, 77%
XYZ	24.6442, 42.0190, 21.5634
YIQ	146.1190, -53.7250, -56.1010

Conversions

Conversions Part 2

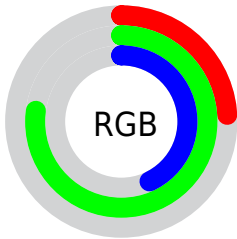
Format	Color
RYB	60, 160, 197
Decimal	3982702
CIELab	70.88, -55.67, 33.22
CIELCh	71, 64.828, 149.172
Yxy	42.0190, 0.2793, 0.4763
Android (android.graphics.Color)	4282172782 (0xFF3CC56E)
YUV	146.1190, -17.8067, -75.5264
Hunter-Lab	64.8221, -45.5761, 25.6523

Details

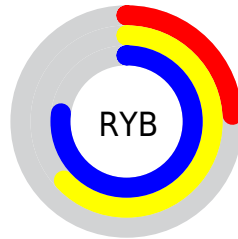
The XYZ color **24.6442, 42.0190, 21.5634** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **29.9096, 17.2094, 29.3504**, and the grayscale version is **27.4579, 28.8878, 31.4588**.

A 20% lighter version of the original color is **50.6830, 78.4494, 47.1213**, and **10.4886, 19.6722, 7.5193** is the 20% darker color. If you saturate the color by 10%, you get **23.0346, 41.2636, 18.1805**, and if you desaturate by 10%, it is **26.7950, 43.0446, 25.4756**.

Distribution



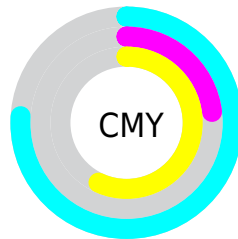
- Red (24%)
- Green (77%)
- Blue (43%)



- Red (24%)
- Yellow (63%)
- Blue (77%)



- Cyan (70%)
- Magenta (0%)
- Yellow (44%)
- Black (23%)



- Cyan (76%)
- Magenta (23%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6442, 42.0190, 21.5634 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 24.6442, 42.0190, 21.5634 by changing the saturation by 10% instead.

■ 24.6442, 42.0190,
21.5634

■ 24.6442, 42.0190,
21.5634

268.4418,
354.5617, 273.1364

■ 15.9395, 29.1162,
13.3412

■ 50.5265, 78.2284,
46.9162

■ 9.5719, 19.1687,
7.5304

■ 68.4348, 102.3037,
64.8839

■ 5.1761, 11.7923,
3.7126

■ 90.1416, 130.8720,
86.9372

■ 2.3868, 6.6024,
1.4690

■ 116.0124,
164.3177, 113.4946

■ 0.8385, 3.2147,
0.1947

■ 146.4124,
203.0251, 144.9747

■ 0.0000, 1.2448,
0.0000

181.7071,

■ 0.0000, 0.0979,

247.3786, 181.7960

0.0000

222.2618,
297.7627, 224.3771

■ 0.0000, 0.0000,
0.0000

■ 24.6442, 42.0190,
21.5634

■ 24.6442, 42.0190,
21.5634

■ 23.0346, 41.2636,
18.1805

■ 26.7950, 43.0446,
25.4756

■ 21.9069, 40.7448,
15.3004

■ 29.5316, 44.3595,
29.9360

■ 21.1635, 40.4140,
12.8970

■ 32.8974, 45.9868,
34.9663

■ 21.1335, 40.4007,
12.7979

■ 36.9307, 47.9458,
40.5860

■ 41.6667, 50.2544,
46.8136

■ 47.1378, 52.9288,
53.6668

■ 53.3747, 55.9846,
61.1627

■ 60.4060, 59.4361,
69.3176

■ 68.2590, 63.2972,
78.1471

Harmonies

Analogous

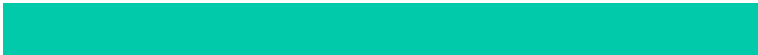
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.6575, 42.0190, 11.0165



24.6442, 42.0190, 21.5634



22.5821, 42.0190, 44.8980

Triad

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



24.6442, 42.0190, 21.5634



39.6387, 42.0190, 134.5509



60.9226, 42.0190, 22.4769

Complementary

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



24.6442, 42.0190, 21.5634



29.9096, 17.2094, 29.3504

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.



64.4725, 42.0190, 46.6158



24.6442, 42.0190, 21.5634



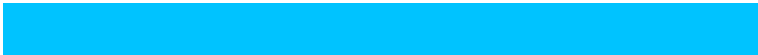
50.9241, 42.0190, 119.6831

Square

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



24.6442, 42.0190, 21.5634



30.2240, 42.0190, 118.0599



60.5261, 42.0190, 83.4415



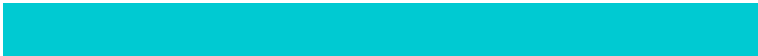
51.5373, 42.0190, 11.3523

Rectangle

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



24.6442, 42.0190, 21.5634



23.3763, 42.0190, 68.1614



60.5261, 42.0190, 83.4415



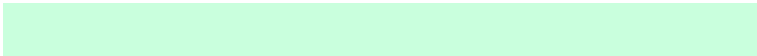
62.9054, 42.0190, 28.8861

Sweetspot

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



24.6453, 42.0207, 21.5644



73.0189, 89.2201, 81.7749



33.1868, 46.6550, 11.5314



15.1061, 18.8417, 16.8219



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.



24.6453, 42.0207, 21.5644



40.1973, 73.4117, 30.0102



29.7121, 44.0474, 48.2459



10.6548, 11.9508, 12.1324



13.9368, 26.5871, 8.6118



0.6947, 1.2728, 0.5908

Inverse Universe

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



29.9096, 17.2094, 29.3504



50.1280, 26.2179, 44.4096



26.1113, 15.6901, 9.3491



10.9125, 10.7484, 12.5225



17.6256, 8.7998, 13.7701



0.8685, 0.4302, 0.8307

Previews

White Background



This preview shows how the XYZ color 24.6442, 42.0190, 21.5634 looks on a white background.

Color Contrast Check

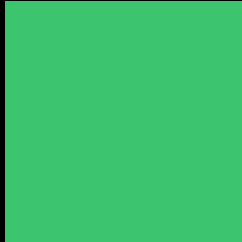
Large Text (above 18pt) WCAG AA × Fail

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 24.6442, 42.0190, 21.5634 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 24.6442, 42.0190, 21.5634

Background



This preview shows how black text looks on a background with the XYZ color 24.6442, 42.0190, 21.5634.



This preview shows how white text looks on a background with the XYZ color 24.6442, 42.0190,

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

24.6442, 42.0190, 21.5634

Protanopia

37.8405, 41.1360, 18.2576

Deuteranopia

42.1787, 41.3401, 22.8959



Tritanopia

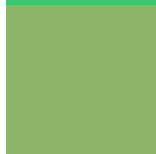
32.6332, 41.6574, 62.1978

Trichromacy



Original Color

24.6442, 42.0190, 21.5634



Protanomaly

30.0071, 39.7099, 19.1799



Deuteranomaly

31.9535, 39.4544, 22.1510



Tritanomaly

28.8832, 41.3970, 44.0042

Monochromacy



Original Color

24.6442, 42.0190, 21.5634



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

24.7590, 32.2486, 27.1100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6442, 42.0190, 21.5634 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(60, 197, 110)` looks like.

```
.text, #text, p{  
    color:rgb(60, 197, 110)  
}
```

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(60, 197, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 197, 110) }
```

Border

The CSS property to change the border of an element to XYZ 24.6442, 42.0190, 21.5634 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(60, 197, 110) }
```


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

```
.border{ border-color:rgb(60, 197, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 197, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 197, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 197, 110);  
box-shadow:4px 4px 4px 4px rgb(60, 197,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6442, 42.0190, 21.5634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 197, 110) }
```

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

```
.background{ background-color: rgb(60, 197,  
110) }
```

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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