

Converting Colors

XYZ(23.8287, 42.1875, 22.6304)

Have a look what the booklet for
XYZ(23.8287, 42.1875, 22.6304)
contains.

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Color

**XYZ(23.8561, 42.2721,
22.5248)**

Conversions

Conversions Part 1

Format	Color
Hex	1BC771
RGB	27, 199, 113
RGB Percent	11%, 78%, 44%
CMY	0.8941, 0.2196, 0.5569
CMYK	0.86, 0.00, 0.43, 0.22
HSL	150°, 76%, 44%
HSV	150°, 86%, 78%
XYZ	23.8561, 42.2721, 22.5248
YIQ	137.7680, -74.9060, -63.2100

Conversions

Conversions Part 2

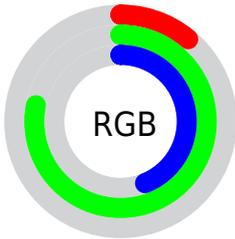
Format	Color
RYB	27, 142, 199
Decimal	1820529
CIELab	71.06, -59.85, 31.82
CIElCh	71, 67.784, 152.007
Yxy	42.2721, 0.2691, 0.4768
Android (android.graphics.Color)	4280010609 (0xFF1BC771)
YUV	137.7680, -12.2106, -97.1435
Hunter-Lab	65.0170, -48.2844, 24.9712

Details

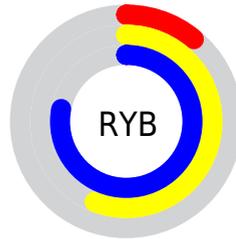
The XYZ color **23.8561, 42.2721, 22.5248** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **26.9273, 14.1193, 16.9315**, and the grayscale version is **24.1361, 25.3930, 27.6530**.

A 20% lighter version of the original color is **48.7063, 77.3990, 48.4488**, and **10.8705, 20.3054, 8.0490** is the 20% darker color. If you saturate the color by 10%, you get **22.9639, 41.8746, 19.7179**, and if you desaturate by 10%, it is **25.1645, 42.8794, 25.6737**.

Distribution



- Red (11%)
- Green (78%)
- Blue (44%)



- Red (11%)
- Yellow (56%)
- Blue (78%)



- Cyan (86%)
- Magenta (0%)
- Yellow (43%)
- Black (22%)



- Cyan (89%)
- Magenta (22%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8561, 42.2721, 22.5248 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 23.8561, 42.2721, 22.5248 by changing the saturation by 10% instead.

 23.8561, 42.2721,
22.5248

 23.8561, 42.2721,
22.5248

264.5462,
355.6097, 278.3172

 15.3511, 29.3144,
14.0410

 49.2517, 78.6113,
48.5251

 9.1541, 19.3188,
8.0101

 66.8729, 102.7615,
66.8788

 4.8997, 11.9009,
4.0136

 88.2636, 131.4115,
89.3594

 2.2227, 6.6762,
1.6328

 113.7891,
164.9454, 116.3857

 0.7547, 3.2604,
0.3141

 143.8147,
203.7478, 148.3760

 0.0000, 1.2692,
0.0000

178.7059,

 0.0000, 0.1171,

248.2031, 185.7490

0.0000

218.8279,
298.6956, 228.9232

■ 0.0000, 0.0000,
0.0000

■ 23.8561, 42.2721,
22.5248

■ 23.8561, 42.2721,
22.5248

■ 22.9639, 41.8746,
19.7179

■ 25.1645, 42.8794,
25.6737

■ 22.7002, 41.7588,
18.7934

■ 26.9528, 43.7257,
29.1747

■ 29.2745, 44.8394,
33.0406

■ 32.1744, 46.2435,
37.2826

■ 35.6927, 47.9584,
41.9112

■ 39.8657, 50.0028,
46.9364

■ 44.7268, 52.3936,
52.3680

■ 50.3070, 55.1466,
58.2153

■ 56.6355, 58.2768,
64.4873

Harmonies

Analogous

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



29.7077, 42.2721, 10.8142



23.8561, 42.2721, 22.5248



22.1105, 42.2721, 48.2461

Triad

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



23.8561, 42.2721, 22.5248



40.9459, 42.2721, 140.7016



61.6140, 42.2721, 20.2562

Complementary

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



23.8561, 42.2721, 22.5248



26.9273, 14.1193, 16.9315

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.



66.1027, 42.2721, 43.8773



23.8561, 42.2721, 22.5248



52.8589, 42.2721, 121.7377

Square

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



23.8561, 42.2721, 22.5248



30.8009, 42.2721, 125.9630



62.6338, 42.2721, 81.9365



51.2887, 42.2721, 10.0036

Rectangle

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



23.8561, 42.2721, 22.5248



23.1838, 42.2721, 73.5709



62.6338, 42.2721, 81.9365



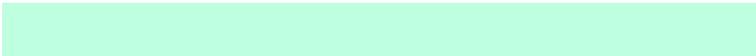
63.9345, 42.2721, 26.3917

Sweetspot

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



23.8572, 42.2738, 22.5258



69.8365, 87.5663, 82.2222



27.8076, 44.6318, 8.1866



14.3690, 18.4588, 16.9196



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.



23.8572, 42.2738, 22.5258



39.6231, 73.0652, 32.2629



30.8558, 45.0732, 59.3799



10.7149, 11.9749, 12.4490



14.6404, 26.8685, 12.3170



0.7298, 1.2868, 0.7757

Inverse Universe

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



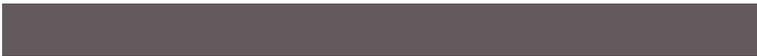
26.9273, 14.1193, 16.9315



45.1038, 22.8055, 22.2763



24.1789, 13.0199, 2.4587



10.8513, 10.7239, 12.2004



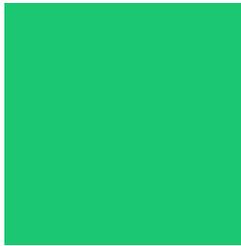
16.6532, 8.4108, 8.6494



0.8251, 0.4129, 0.6021

Previews

White Background



This preview shows how the XYZ color 23.8561, 42.2721, 22.5248 looks on a white background.

Color Contrast Check

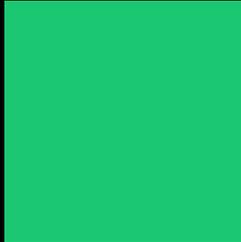
Large Text (above 18pt) WCAG AA × Fail

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 23.8561, 42.2721, 22.5248 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 23.8561, 42.2721, 22.5248

Background



This preview shows how black text looks on a background with the XYZ color 23.8561, 42.2721, 22.5248.



This preview shows how white text looks on a background with the XYZ color 23.8561, 42.2721,

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

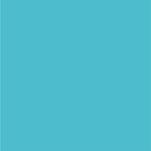
23.8561, 42.2721, 22.5248

Protanopia

38.1870, 41.3031, 18.7916

Deuteranopia

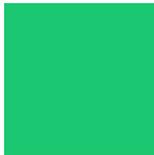
42.0832, 41.2699, 23.8370



Tritanopia

31.9429, 41.9039, 63.5314

Trichromacy



Original Color

23.8561, 42.2721, 22.5248



Protanomaly

28.5877, 39.2633, 19.9818



Deuteranomaly

29.8074, 38.3277, 22.9665



Tritanomaly

28.0040, 41.5694, 45.0758

Monochromacy



Original Color

23.8561, 42.2721, 22.5248



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

21.5703, 29.3233, 25.2920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8561, 42.2721, 22.5248 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(27, 199, 113)` looks like.

```
.text, #text, p{  
    color:rgb(27, 199, 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(27, 199, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 199, 113) }
```

Border

The CSS property to change the border of an element to XYZ 23.8561, 42.2721, 22.5248 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(27, 199, 113) }
```

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

```
.border{ border-color:rgb(27, 199, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 199, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 199, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 199, 113);  
box-shadow:4px 4px 4px 4px rgb(27, 199,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8561, 42.2721, 22.5248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 199, 113) }
```

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

```
.background{ background-color: rgb(27, 199,  
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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