

Converting Colors

XYZ(23.3378, 41.4667, 22.6158)

Have a look what the booklet for
XYZ(23.3378, 41.4667, 22.6158)
contains.

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Color

**XYZ(23.2530, 41.2760,
22.6611)**

Conversions

Conversions Part 1

Format	Color
Hex	12C572
RGB	18, 197, 114
RGB Percent	7%, 77%, 45%
CMY	0.9294, 0.2274, 0.5529
CMYK	0.91, 0.00, 0.42, 0.23
HSL	152°, 83%, 42%
HSV	152°, 91%, 77%
XYZ	23.2530, 41.2760, 22.6611
YIQ	134.0170, -80.0410, -63.7610

Conversions

Conversions Part 2

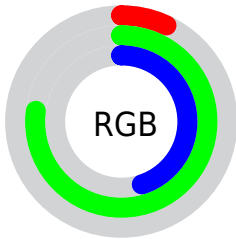
Format	Color
RYB	18, 135, 197
Decimal	1230194
CIELab	70.37, -59.56, 30.39
CIElCh	70, 66.868, 152.970
Yxy	41.2760, 0.2667, 0.4734
Android (android.graphics.Color)	4279420274 (0xFF12C572)
YUV	134.0170, -9.8684, -101.7469
Hunter-Lab	64.2464, -47.8259, 24.0596

Details

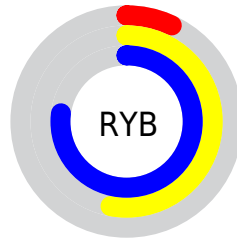
The XYZ color **23.2530, 41.2760, 22.6611** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **25.5928, 13.2435, 13.5223**, and the grayscale version is **22.7242, 23.9076, 26.0354**.

A 20% lighter version of the original color is **48.3286, 77.1936, 48.9119**, and **10.6271, 19.7277, 8.2487** is the 20% darker color. If you saturate the color by 10%, you get **22.5504, 40.9673, 20.2595**, and if you desaturate by 10%, it is **24.3395, 41.7741, 25.5645**.

Distribution



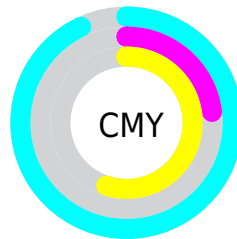
- Red (7%)
- Green (77%)
- Blue (45%)



- Red (7%)
- Yellow (53%)
- Blue (77%)



- Cyan (91%)
- Magenta (0%)
- Yellow (42%)
- Black (23%)





- Cyan (93%)
- Magenta (23%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.2530, 41.2760, 22.6611 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 23.2530, 41.2760, 22.6611 by changing the saturation by 10% instead.


 23.2530, 41.2760,
22.6611


 23.2530, 41.2760,
22.6611


261.5329,
351.4728, 279.0448


 14.9022, 28.5348,
14.1405


 48.2720, 77.1027,
48.7524


 8.8366, 18.7292,
8.0786

 65.6709, 100.9570,
67.1601


 4.6910, 11.4748,
4.0568


 86.8165, 129.2844,
89.7007

 2.1000, 6.3871,
1.6566

 112.0742,
162.4694, 116.7927

 0.6892, 3.0819,
0.3307

 141.8094,
200.8964, 148.8545

 0.0000, 1.1746,
0.0000

176.3873,

 0.0000, 0.0408,

244.9497, 186.3048

0.0000

216.1734,
295.0137, 229.5620

■ 0.0000, 0.0000,
0.0000

■ 23.2530, 41.2760,
22.6611

■ 23.2530, 41.2760,
22.6611

■ 22.5504, 40.9673,
20.2595

■ 24.3395, 41.7741,
25.5645

■ 25.8615, 42.4894,
28.7661

■ 27.8748, 43.4517,
32.2767

■ 30.4257, 44.6846,
36.1055

■ 33.5549, 46.2091,
40.2613

■ 37.2989, 48.0437,
44.7521

■ 41.6913, 50.2056,
49.5861

■ 46.7629, 52.7106,
54.7707

■ 52.5427, 55.5735,
60.3133

Harmonies

Analogous

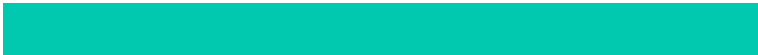
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.8152, 41.2760, 10.8816



23.2530, 41.2760, 22.6611



21.6805, 41.2760, 48.1529

Triad

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



23.2530, 41.2760, 22.6611



40.3371, 41.2760, 136.5708



59.7739, 41.2760, 19.3905

Complementary

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



23.2530, 41.2760, 22.6611



25.5928, 13.2435, 13.5223

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.



64.3565, 41.2760, 41.8781



23.2530, 41.2760, 22.6611



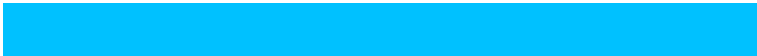
51.8971, 41.2760, 117.2737

Square

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



23.2530, 41.2760, 22.6611



30.3873, 41.2760, 123.3202



61.2359, 41.2760, 78.4538



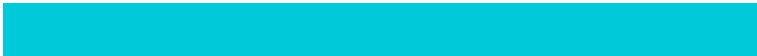
49.6444, 41.2760, 9.7080

Rectangle

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



23.2530, 41.2760, 22.6611



22.8092, 41.2760, 72.9515



61.2359, 41.2760, 78.4538



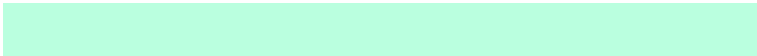
62.0916, 41.2760, 25.2142

Sweetspot

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



23.2541, 41.2777, 22.6621



69.3753, 87.3096, 83.0599



25.5038, 42.7757, 7.4851



14.2944, 18.4152, 17.1510



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.



23.2541, 41.2777, 22.6621



40.2577, 73.3191, 35.6044



28.9669, 41.4378, 59.2969



10.7313, 11.9814, 12.5350



14.8744, 26.9622, 13.5493



0.7406, 1.2912, 0.8328

Inverse Universe

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



25.5928, 13.2435, 13.5223



44.5247, 22.5739, 19.2270



23.4623, 12.5668, 1.7618



10.8351, 10.7174, 12.1147



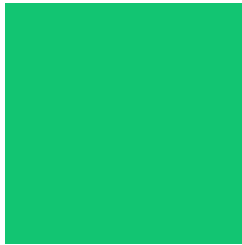
16.4386, 8.3250, 7.5194



0.8149, 0.4088, 0.5482

Previews

White Background



This preview shows how the XYZ color 23.2530, 41.2760, 22.6611 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 23.2530, 41.2760, 22.6611 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

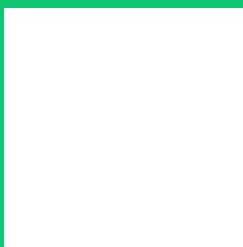
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.2530, 41.2760, 22.6611

Background



This preview shows how black text looks on a background with the XYZ color 23.2530, 41.2760, 22.6611.

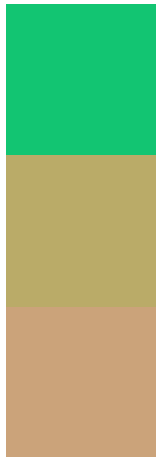


This preview shows how white text looks on a background with the XYZ color 23.2530, 41.2760,

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

23.2530, 41.2760, 22.6611

Protanopia

37.3113, 40.5644, 18.9599

Deuteranopia

41.2386, 40.2960, 24.0168



Tritanopia

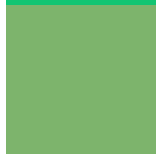
31.2550, 41.2608, 62.1939

Trichromacy



Original Color

23.2530, 41.2760, 22.6611



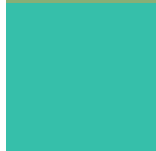
Protanomaly

27.4855, 38.0852, 20.0899



Deuteranomaly

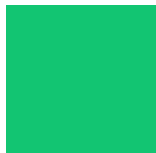
28.8131, 37.2261, 23.1195



Tritanomaly

27.4078, 40.9482, 44.4895

Monochromacy



Original Color

23.2530, 41.2760, 22.6611



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

20.3014, 27.9216, 24.3981

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2530, 41.2760, 22.6611 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(18, 197, 114)` looks like.

```
.text, #text, p{  
    color:rgb(18, 197, 114)  
}
```

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(18, 197, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 197, 114) }
```

Border

The CSS property to change the border of an element to XYZ 23.2530, 41.2760, 22.6611 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(18, 197, 114) }
```


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

```
.border{ border-color:rgb(18, 197, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 197, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 197, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 197, 114);  
box-shadow:4px 4px 4px 4px rgb(18, 197,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2530, 41.2760, 22.6611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 197, 114) }
```

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

```
.background{ background-color: rgb(18, 197,  
114) }
```

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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