

Converting Colors

XYZ(24.8434, 41.9169, 30.8295)

Have a look what the booklet for
XYZ(24.8434, 41.9169, 30.8295)
contains.

XYZ(24.8422, 41.9162, 30.8261)	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(24.8422, 41.9162,
30.8261)**

Conversions

Conversions Part 1

Format	Color
Hex	14C58A
RGB	20, 197, 138
RGB Percent	8%, 77%, 54%
CMY	0.9215, 0.2274, 0.4588
CMYK	0.90, 0.00, 0.30, 0.23
HSL	160°, 82%, 43%
HSV	160°, 90%, 77%
XYZ	24.8422, 41.9162, 30.8261
YIQ	137.3510, -86.5530, -55.8730

Conversions

Conversions Part 2

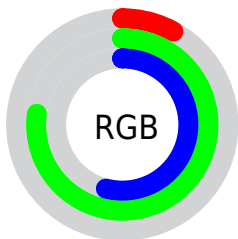
Format	Color
RYB	20, 126, 197
Decimal	1361290
CIELab	70.81, -54.51, 18.35
CIELCh	71, 57.517, 161.393
Yxy	41.9162, 0.2546, 0.4295
Android (android.graphics.Color)	4279551370 (0xFF14C58A)
YUV	137.3510, 0.3200, -102.9168
Hunter-Lab	64.7427, -44.8082, 17.0900

Details

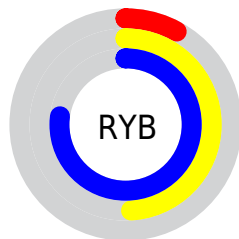
The XYZ color **24.8422, 41.9162, 30.8261** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **24.6890, 12.9362, 8.5954**, and the grayscale version is **23.9350, 25.1815, 27.4226**.

A 20% lighter version of the original color is **50.9833, 78.2688, 62.2895**, and **11.4345, 20.0506, 12.5000** is the 20% darker color. If you saturate the color by 10%, you get **24.0972, 41.5865, 28.3845**, and if you desaturate by 10%, it is **25.9086, 42.4104, 33.4347**.

Distribution



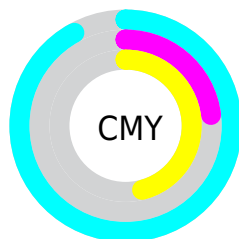
- Red (8%)
- Green (77%)
- Blue (54%)



- Red (8%)
- Yellow (49%)
- Blue (77%)



- Cyan (90%)
- Magenta (0%)
- Yellow (30%)
- Black (23%)





- Cyan (92%)
- Magenta (23%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.8422, 41.9162, 30.8261 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 24.8422, 41.9162, 30.8261 by changing the saturation by 10% instead.


 24.8422, 41.9162,
30.8261


 24.8422, 41.9162,
30.8261


269.4133,
354.1354, 320.0627


 16.0876, 29.0357,
20.2091

 50.8458, 78.0728,
62.0425


 9.6774, 19.1078,
12.3616


 68.8256, 102.1176,
83.4791


 5.2462, 11.7482,
6.8649


 90.6112, 130.6527,
109.3592

 2.4287, 6.5725,
3.3006

 116.5679,
164.0624, 140.1015

 0.8594, 3.1962,
1.2501

 147.0612,
202.7312, 176.1244

 0.0000, 1.2350,
0.0204

182.4562,

 0.0000, 0.0900,

247.0433, 217.8466

0.0000

223.1185,
297.3833, 265.6865

■ 0.0000, 0.0000,
0.0000

■ 24.8422, 41.9162,
30.8261

■ 24.8422, 41.9162,
30.8261

■ 24.0972, 41.5865,
28.3845

■ 25.9086, 42.4104,
33.4347

■ 24.0862, 41.5816,
28.3470

■ 27.3922, 43.1153,
36.2147

■ 29.3470, 44.0595,
39.1718

■ 31.8176, 45.2663,
42.3107

■ 34.8435, 46.7557,
45.6356

■ 38.4600, 48.5461,
49.1505

■ 42.6996, 50.6540,
52.8591

■ 47.5923, 53.0948,
56.7652

■ 53.1660, 55.8830,
60.8722

Harmonies

Analogous

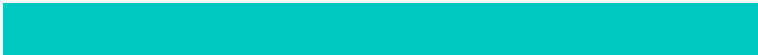
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.8853, 41.9162, 16.4541



24.8422, 41.9162, 30.8261



24.4081, 41.9162, 56.8419

Triad

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



24.8422, 41.9162, 30.8261



43.5805, 41.9162, 119.0859



55.2724, 41.9162, 18.9410

Complementary

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



24.8422, 41.9162, 30.8261



24.6890, 12.9362, 8.5954

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.



60.6994, 41.9162, 36.0152



24.8422, 41.9162, 30.8261



53.2641, 41.9162, 97.5822

Square

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



24.8422, 41.9162, 30.8261



34.2611, 41.9162, 115.8680



59.9107, 41.9162, 64.5699



45.9941, 41.9162, 11.7309

Rectangle

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



24.8422, 41.9162, 30.8261



26.1257, 41.9162, 78.8989



59.9107, 41.9162, 64.5699



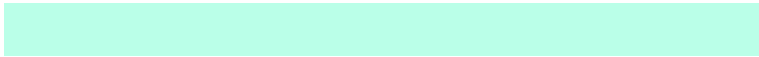
57.6697, 41.9162, 23.3525

Sweetspot

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



24.8433, 41.9179, 30.8271



70.6185, 87.8068, 89.6063



23.5695, 41.7765, 7.4838



14.5882, 18.5327, 18.6977



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.



24.8433, 41.9179, 30.8271



43.0151, 74.4220, 50.1249



24.8273, 33.1004, 57.9057



10.7906, 12.0051, 12.8474



15.8821, 27.3652, 18.8554



0.7846, 1.3088, 1.0645

Inverse Universe

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



24.6890, 12.9362, 8.5954



42.8799, 21.9160, 10.5658



24.1522, 13.9194, 2.0762



10.7773, 10.6943, 11.8104



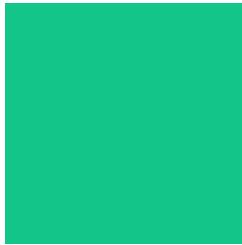
15.8206, 8.0778, 4.2653



0.7829, 0.3960, 0.3798

Previews

White Background



This preview shows how the XYZ color 24.8422, 41.9162, 30.8261 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 24.8422, 41.9162, 30.8261 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 24.8422, 41.9162, 30.8261

Background



This preview shows how black text looks on a background with the XYZ color 24.8422, 41.9162, 30.8261.

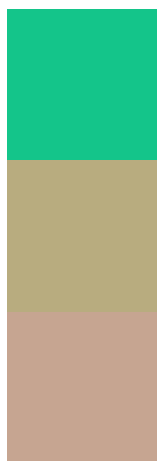


This preview shows how white text looks on a background with the XYZ color 24.8422, 41.9162,

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

24.8422, 41.9162, 30.8261

Protanopia

38.3505, 41.2277, 26.0151

Deuteranopia

41.8547, 40.9604, 32.4882



Tritanopia

31.4806, 41.9838, 63.5712

Trichromacy



Original Color

24.8422, 41.9162, 30.8261



Protanomaly

28.9328, 38.9715, 27.4701



Deuteranomaly

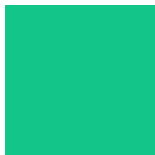
30.2775, 38.3838, 31.4042



Tritanomaly

28.4531, 41.6984, 49.7290

Monochromacy



Original Color

24.8422, 41.9162, 30.8261



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

21.5296, 28.9821, 28.1263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8422, 41.9162, 30.8261 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, 197, 138)` looks like.

```
.text, #text, p{  
    color:rgb(20, 197, 138)  
}
```

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, 197, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 197, 138) }
```

Border

The CSS property to change the border of an element to XYZ 24.8422, 41.9162, 30.8261 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, 197, 138) }
```


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

```
.border{ border-color:rgb(20, 197, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 197, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 197, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 197, 138);  
box-shadow:4px 4px 4px 4px rgb(20, 197,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8422, 41.9162, 30.8261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 197, 138) }
```

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

```
.background{ background-color: rgb(20, 197,  
138) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor