

Converting Colors

XYZ(22.2550, 30.0584, 51.9708)

Have a look what the booklet for
XYZ(22.2550, 30.0584, 51.9708)
contains.

XYZ(22.3526, 30.1818, 52.2245)	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(22.3526, 30.1818,
52.2245)**

Conversions

Conversions Part 1

Format	Color
Hex	00A4BC
RGB	0, 164, 188
RGB Percent	0%, 64%, 74%
CMY	0.9998, 0.3569, 0.2627
CMYK	1.00, 0.13, 0.00, 0.26
HSL	188°, 100%, 37%
HSV	188°, 100%, 74%
XYZ	22.3526, 30.1818, 52.2245
YIQ	117.7000, -105.4480, -27.3040

Conversions

Conversions Part 2

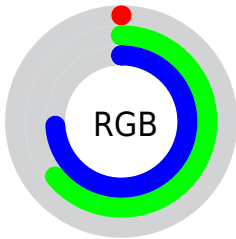
Format	Color
RYB	0, 88, 188
Decimal	42172
CIELab	61.81, -26.76, -22.40
CIELCh	62, 34.901, 219.925
Yxy	30.1818, 0.2134, 0.2881
Android (android.graphics.Color)	4278232252 (0xFF00A4BC)
YUV	117.7000, 34.6579, -103.2229
Hunter-Lab	54.9380, -23.5152, -17.9050

Details

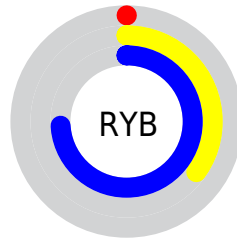
The XYZ color **22.3526, 30.1818, 52.2245** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.0670, 11.3465, 1.0809**, and the grayscale version is **17.0491, 17.9370, 19.5334**.

A 20% lighter version of the original color is **46.6977, 59.7914, 94.6676**, and **10.1673, 13.3376, 24.9602** is the 20% darker color. If you saturate the color by 10%, you get **22.3521, 30.1808, 52.2249**, and if you desaturate by 10%, it is **23.0522, 31.1868, 52.3822**.

Distribution



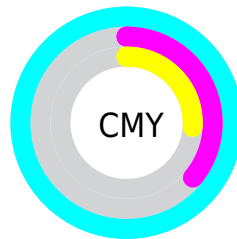
- Red (0%)
- Green (64%)
- Blue (74%)



- Red (0%)
- Yellow (35%)
- Blue (74%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (26%)



- Cyan (100%)
- Magenta (36%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3526, 30.1818, 52.2245 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 22.3526, 30.1818, 52.2245 by changing the saturation by 10% instead.

■ 22.3526, 30.1818,
52.2245

■ 22.3526, 30.1818,
52.2245

■ 256.9800,
302.7509, 412.2843

■ 14.2343, 19.9766,
36.8006

■ 46.8026, 59.9496,
94.8922

■ 8.3666, 12.3781,
24.7585

■ 63.8650, 80.2809,
122.9730

■ 4.3842, 7.0017,
15.6799

■ 84.6394, 104.7565,
156.1100

■ 1.9217, 3.4632,
9.1460

■ 109.4913,
133.7606, 194.7215

■ 0.5894, 1.3781,
4.7384

■ 138.7859,
167.6778, 239.2261

■ 0.0000, 0.2005,
2.0386

■ 172.8887,

■ 0.0000, 0.0000,

206.8923, 290.0424

0.5789

212.1649,
251.7885, 347.5890

■ 0.0000, 0.0000,
0.0000

■ 22.3526, 30.1818,
52.2245

■ 22.3526, 30.1818,
52.2245

■ 22.3521, 30.1808,
52.2249

■ 23.0522, 31.1868,
52.3822

■ 24.0147, 32.3389,
52.5538

■ 25.3342, 33.6871,
52.7445

■ 27.0574, 35.2557,
52.9565

■ 29.2237, 37.0651,
53.1915

■ 31.8679, 39.1331,
53.4514

■ 35.0212, 41.4761,
53.7374

■ 38.7122, 44.1087,
54.0510

■ 42.9673, 47.0446,
54.3934

Harmonies

Analogous

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



20.7388, 30.1818, 37.4848



22.3526, 30.1818, 52.2245



25.7215, 30.1818, 63.3180

Triad

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



22.3526, 30.1818, 52.2245



37.9472, 30.1818, 42.4758



27.1708, 30.1818, 13.5200

Complementary

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



22.3526, 30.1818, 52.2245



21.0670, 11.3465, 1.0809

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.



31.8719, 30.1818, 14.1800



22.3526, 30.1818, 52.2245



38.4434, 30.1818, 28.6373

Square

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



22.3526, 30.1818, 52.2245



34.8268, 30.1818, 56.7166



36.1173, 30.1818, 18.9977



23.3147, 30.1818, 16.8571

Rectangle

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



22.3526, 30.1818, 52.2245



28.6752, 30.1818, 65.7614



36.1173, 30.1818, 18.9977



28.6986, 30.1818, 13.3088

Sweetspot

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



22.3536, 30.1829, 52.2252



63.1537, 74.9381, 97.3621



18.1285, 36.0249, 6.7556



13.0422, 15.7190, 20.8892



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.3536, 30.1829, 52.2252



40.3822, 54.4430, 94.6064



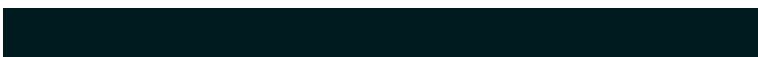
11.4010, 8.2778, 48.5744



9.7018, 10.5960, 12.2061



15.2563, 20.6243, 35.5697



0.6270, 0.8667, 1.4031

Inverse Universe

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



27.4408, 13.3728, 36.2580



49.6659, 24.2083, 65.3684



26.9791, 23.1707, 3.0516



9.8761, 9.6747, 11.7366



18.7014, 9.1117, 24.7851



0.7474, 0.3629, 1.0490

Previews

White Background



This preview shows how the XYZ color 22.3526, 30.1818, 52.2245 looks on a white background.

Color Contrast Check

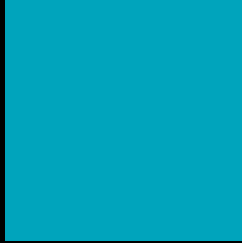
Large Text (above 18pt) WCAG AA × Fail

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 22.3526, 30.1818, 52.2245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

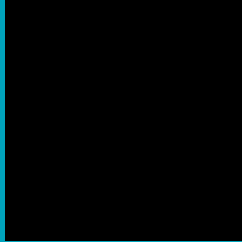
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 22.3526, 30.1818, 52.2245

Background



This preview shows how black text looks on a background with the XYZ color 22.3526, 30.1818, 52.2245.



This preview shows how white text looks on a background with the XYZ color 22.3526, 30.1818,

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

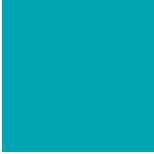
22.3526, 30.1818, 52.2245

Protanopia

29.4255, 29.7528, 45.2663

Deuteranopia

30.6085, 29.9390, 54.0347



Tritanopia

21.4910, 30.1246, 46.8014

Trichromacy



Original Color

22.3526, 30.1818, 52.2245

Protanomaly

23.8459, 28.2514, 47.3763

Deuteranomaly

24.9150, 28.6679, 53.5105

Tritanomaly

21.8986, 30.2877, 48.9479

Monochromacy



Original Color

22.3526, 30.1818, 52.2245

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.5235, 20.8070, 29.1319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3526, 30.1818, 52.2245 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(0, 164, 188)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 188)  
}
```

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(0, 164, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 188) }
```

Border

The CSS property to change the border of an element to XYZ 22.3526, 30.1818, 52.2245 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(0, 164, 188) }
```


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

```
.border{ border-color:rgb(0, 164, 188) }
```

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

Here you see how a box with a 4 pixel rgb(0, 164, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 188);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3526, 30.1818, 52.2245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 164, 188) }
```

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

```
.background{ background-color: rgb(0, 164,  
188) }
```

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