

Converting Colors

XYZ(22.4942, 30.4025, 52.5850)

Have a look what the booklet for
XYZ(22.4942, 30.4025, 52.5850)
contains.

XYZ(22.6404, 30.5844, 52.8542)	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(22.6404, 30.5844,
52.8542)**

Conversions

Conversions Part 1

Format	Color
Hex	00A5BD
RGB	0, 165, 189
RGB Percent	0%, 65%, 74%
CMY	0.9999, 0.3529, 0.2588
CMYK	1.00, 0.13, 0.00, 0.26
HSL	188°, 100%, 37%
HSV	188°, 100%, 74%
XYZ	22.6404, 30.5844, 52.8542
YIQ	118.4010, -106.0440, -27.5160

Conversions

Conversions Part 2

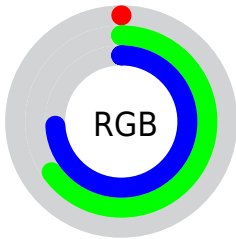
Format	Color
RYB	0, 88, 189
Decimal	42429
CIELab	62.16, -26.93, -22.43
CIELCh	62, 35.049, 219.793
Yxy	30.5844, 0.2134, 0.2883
Android (android.graphics.Color)	4278232509 (0xFF00A5BD)
YUV	118.4010, 34.8053, -103.8377
Hunter-Lab	55.3032, -23.7049, -17.9523

Details

The XYZ color **22.6404, 30.5844, 52.8542** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.3140, 11.4736, 1.0922**, and the grayscale version is **17.2672, 18.1664, 19.7832**.

A 20% lighter version of the original color is **47.1116, 60.3756, 95.5568**, and **10.3491, 13.5878, 25.3698** is the 20% darker color. If you saturate the color by 10%, you get **22.6402, 30.5837, 52.8547**, and if you desaturate by 10%, it is **23.3453, 31.5971, 53.0131**.

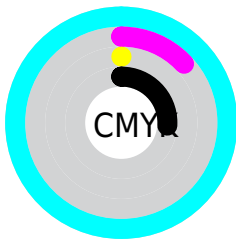
Distribution



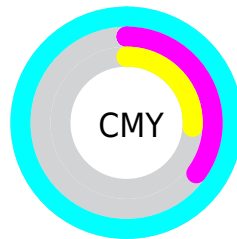
- Red (0%)
- Green (65%)
- Blue (74%)



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



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



- Cyan (100%)
- Magenta (35%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6404, 30.5844, 52.8542 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 22.6404, 30.5844, 52.8542 by changing the saturation by 10% instead.

■ 22.6404, 30.5844,
52.8542

■ 22.6404, 30.5844,
52.8542

258.4426,
304.6191, 414.7759

■ 14.4474, 20.2826,
37.2995

■ 47.2732, 60.5852,
95.8292

■ 8.5163, 12.6006,
25.1418

■ 64.4438, 81.0529,
124.0865

■ 4.4816, 7.1541,
15.9628

■ 85.3375, 105.6780,
157.4150

■ 1.9780, 3.5587,
9.3437

■ 110.3199,
134.8450, 196.2334

■ 0.6216, 1.4299,
4.8662

■ 139.7563,
168.9382, 240.9602

■ 0.0000, 0.2386,
2.1116

174.0119,

■ 0.0000, 0.0000,

208.3420, 292.0138

0.6227

213.4522,
253.4408, 349.8129

■ 0.0000, 0.0000,
0.0000

■ 22.6404, 30.5844,
52.8542

■ 22.6404, 30.5844,
52.8542

■ 22.6402, 30.5837,
52.8547

■ 23.3453, 31.5971,
53.0131

■ 24.3165, 32.7587,
53.1861

■ 25.6489, 34.1187,
53.3784

■ 27.3899, 35.7016,
53.5922

■ 29.5794, 37.5280,
53.8293

■ 32.2528, 39.6162,
54.0915

■ 35.4415, 41.9826,
54.3802

■ 39.1746, 44.6421,
54.6968

■ 43.4788, 47.6086,
55.0425

Harmonies

Analogous

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



21.0138, 30.5844, 37.9192



22.6404, 30.5844, 52.8542



26.0467, 30.5844, 64.1238

Triad

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



22.6404, 30.5844, 52.8542



38.4428, 30.5844, 43.1076



27.5535, 30.5844, 13.6971

Complementary

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



22.6404, 30.5844, 52.8542



21.3140, 11.4736, 1.0922

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.



32.3176, 30.5844, 14.3835



22.6404, 30.5844, 52.8542



38.9587, 30.5844, 29.0742

Square

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



22.6404, 30.5844, 52.8542



35.2718, 30.5844, 57.5236



36.6134, 30.5844, 19.2853



23.6406, 30.5844, 17.0595

Rectangle

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



22.6404, 30.5844, 52.8542



29.0367, 30.5844, 66.6311



36.6134, 30.5844, 19.2853



29.1024, 30.5844, 13.4889

Sweetspot

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



22.6414, 30.5855, 52.8550



63.1680, 74.9667, 97.3669



18.3438, 36.4541, 6.8326



13.0456, 15.7259, 20.8904



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.



22.6414, 30.5855, 52.8550



40.4243, 54.5271, 94.6204



11.5338, 8.3703, 49.1524



9.7024, 10.5971, 12.2063



15.2717, 20.6552, 35.5748



0.6275, 0.8676, 1.4033

Inverse Universe

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



27.7786, 13.5364, 36.7471



49.6871, 24.2168, 65.4802



27.2973, 23.4402, 3.0867



9.8764, 9.6749, 11.7381



18.7092, 9.1148, 24.8261



0.7476, 0.3629, 1.0503

Previews

White Background



This preview shows how the XYZ color 22.6404, 30.5844, 52.8542 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 22.6404, 30.5844, 52.8542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

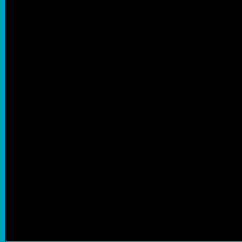
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 22.6404, 30.5844, 52.8542

Background



This preview shows how black text looks on a background with the XYZ color 22.6404, 30.5844, 52.8542.



This preview shows how white text looks on a background with the XYZ color 22.6404, 30.5844,

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

22.6404, 30.5844, 52.8542

Protanopia

29.8534, 30.1938, 45.8495

Deuteranopia

31.0439, 30.3804, 54.6799



Tritanopia

21.7729, 30.5271, 47.3926

Trichromacy



Original Color

22.6404, 30.5844, 52.8542



Protanomaly

24.2105, 28.6715, 47.9742



Deuteranomaly

25.2865, 29.0906, 54.1515



Tritanomaly

22.1835, 30.6913, 49.5546

Monochromacy



Original Color

22.6404, 30.5844, 52.8542



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

16.5997, 20.8374, 29.5327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6404, 30.5844, 52.8542 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, 165, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 189)  
}
```

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, 165, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 189) }
```

Border

The CSS property to change the border of an element to XYZ 22.6404, 30.5844, 52.8542 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, 165, 189) }
```


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

```
.border{ border-color:rgb(0, 165, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 165, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 165,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6404, 30.5844, 52.8542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 189) }
```

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

```
.background{ background-color: rgb(0, 165,  
189) }
```

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