

Converting Colors

XYZ(12.7052, 22.5529, 52.0221)

Have a look what the booklet for
XYZ(12.7052, 22.5529, 52.0221)
contains.

XYZ(20.7409, 26.7853, 52.2210)	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(20.7409, 26.7853,
52.2210)**

Conversions

Conversions Part 1

Format	Color
Hex	009ABD
RGB	0, 154, 189
RGB Percent	0%, 60%, 74%
CMY	0.9998, 0.3961, 0.2588
CMYK	1.00, 0.19, 0.00, 0.26
HSL	191°, 100%, 37%
HSV	191°, 100%, 74%
XYZ	20.7409, 26.7853, 52.2210
YIQ	111.9440, -103.0190, -21.7630

Conversions

Conversions Part 2

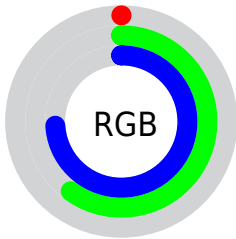
Format	Color
R _{YB}	0, 85, 189
Decimal	39613
CIE _{Lab}	58.78, -21.28, -27.63
CIE _{LCh}	59, 34.876, 232.392
Yxy	26.7853, 0.2079, 0.2685
Android (android.graphics.Color)	4278229693 (0xFF009ABD)
YUV	111.9440, 37.9886, -98.1749
Hunter-Lab	51.7545, -19.0356, -23.5962

Details

The XYZ color **20.7409, 26.7853, 52.2210** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **21.5889, 12.0234, 1.1840**, and the grayscale version is **15.3023, 16.0992, 17.5320**.

A 20% lighter version of the original color is **44.2117, 54.7349, 94.6209**, and **9.2942, 11.4781, 25.0182** is the 20% darker color. If you saturate the color by 10%, you get **20.7401, 26.7835, 52.2212**, and if you desaturate by 10%, it is **21.5950, 28.0963, 52.4296**.

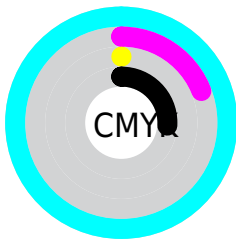
Distribution



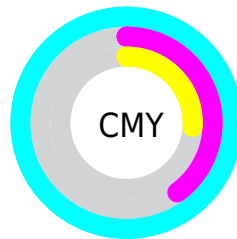
- Red (0%)
- Green (60%)
- Blue (74%)



- Red (0%)
- Yellow (33%)
- Blue (74%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (26%)



- Cyan (100%)
- Magenta (40%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7409, 26.7853, 52.2210 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 20.7409, 26.7853, 52.2210 by changing the saturation by 10% instead.

■ 20.7409, 26.7853,
52.2210

■ 20.7409, 26.7853,
52.2210

■ 248.6562,
286.6161, 412.2704

■ 13.0461, 17.4120,
36.7978

■ 44.1505, 54.5392,
94.8870

■ 7.5375, 10.5287,
24.7564

■ 60.5959, 73.6885,
122.9669

■ 3.8498, 5.7509,
15.6783

■ 80.6890, 96.8654,
156.1027

■ 1.6175, 2.6942,
9.1449

■ 104.7951,
124.4542, 194.7131

■ 0.4038, 0.9743,
4.7377

■ 133.2795,
156.8392, 239.2165

■ 0.0000, 0.0000,
2.0382

■ 166.5076,

■ 0.0000, 0.0000,

194.4050, 290.0315

0.5786

204.8447,
237.5358, 347.5766

■ 0.0000, 0.0000,
0.0000

■ 20.7409, 26.7853,
52.2210

■ 20.7409, 26.7853,
52.2210

■ 20.7401, 26.7835,
52.2212

■ 21.5950, 28.0963,
52.4296

■ 22.7243, 29.5740,
52.6553

■ 24.2238, 31.2680,
52.9032

■ 26.1408, 33.2029,
53.1756

■ 28.5156, 35.3995,
53.4745

■ 31.3833, 37.8763,
53.8014

■ 34.7758, 40.6498,
54.1579

■ 38.7220, 43.7353,
54.5455

■ 43.2487, 47.1466,
54.9654

Harmonies

Analogous

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



18.5563, 26.7853, 39.1424



20.7409, 26.7853, 52.2210



24.3801, 26.7853, 59.4784

Triad

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



20.7409, 26.7853, 52.2210



34.5605, 26.7853, 32.4117



22.4383, 26.7853, 12.2978

Complementary

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



20.7409, 26.7853, 52.2210



21.5889, 12.0234, 1.1840

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.



26.5685, 26.7853, 11.4324



20.7409, 26.7853, 52.2210



33.8900, 26.7853, 21.0453

Square

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



20.7409, 26.7853, 52.2210



32.5832, 26.7853, 46.1244



30.8424, 26.7853, 14.1452



19.4566, 26.7853, 16.9739

Rectangle

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



20.7409, 26.7853, 52.2210



27.2738, 26.7853, 58.9282



30.8424, 26.7853, 14.1452



23.7259, 26.7853, 11.6172

Sweetspot

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



20.7418, 26.7862, 52.2217



61.9553, 72.5413, 96.9627



18.4970, 36.5153, 7.6388



12.7514, 15.1375, 20.7923



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.



20.7418, 26.7862, 52.2217



36.9800, 47.6386, 93.4723



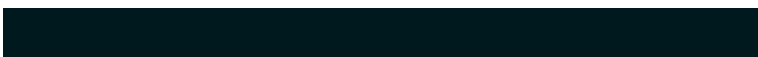
10.7953, 6.8933, 48.9062



9.6543, 10.5009, 12.1902



14.0063, 18.1244, 35.1531



0.5883, 0.7892, 1.3902

Inverse Universe

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



26.8198, 13.1529, 31.6979



47.9486, 23.5214, 56.3253



28.8585, 26.5626, 3.6072



9.8521, 9.6651, 11.6101



18.0705, 8.8594, 21.4628



0.7278, 0.3550, 0.9460

Previews

White Background



This preview shows how the XYZ color 20.7409, 26.7853, 52.2210 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7409, 26.7853, 52.2210 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 × Fail

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

XYZ 20.7409, 26.7853, 52.2210

Background



This preview shows how black text looks on a background with the XYZ color 20.7409, 26.7853, 52.2210.

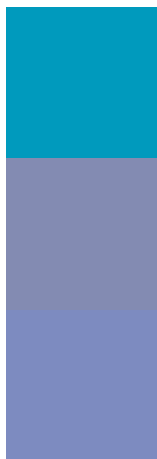


This preview shows how white text looks on a background with the XYZ color 20.7409, 26.7853,

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

20.7409, 26.7853, 52.2210

Protanopia

26.6286, 26.5049, 45.8320

Deuteranopia

27.2045, 26.6310, 53.5756



Tritanopia

19.0499, 26.6415, 41.6744

Trichromacy



Original Color

20.7409, 26.7853, 52.2210



Protanomaly

21.9840, 25.1629, 47.9542



Deuteranomaly

22.6855, 25.4136, 52.9999



Tritanomaly

19.5578, 26.5773, 45.1734

Monochromacy



Original Color

20.7409, 26.7853, 52.2210



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

14.9215, 18.4118, 27.5783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7409, 26.7853, 52.2210 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, 154, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 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, 154, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 189) }
```

Border

The CSS property to change the border of an element to XYZ 20.7409, 26.7853, 52.2210 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, 154, 189) }
```


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

```
.border{ border-color:rgb(0, 154, 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, 154, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7409, 26.7853, 52.2210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 189) }
```

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

```
.background{ background-color: rgb(0, 154,  
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