

Converting Colors

XYZ(22.3929, 30.4846, 48.0068)

Have a look what the booklet for
XYZ(22.3929, 30.4846, 48.0068)
contains.

XYZ(22.4209, 30.5806, 47.9010)	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(22.4209, 30.5806,
47.9010)**

Conversions

Conversions Part 1

Format	Color
Hex	24A5B4
RGB	36, 165, 180
RGB Percent	14%, 65%, 71%
CMY	0.8588, 0.3529, 0.2941
CMYK	0.80, 0.08, 0.00, 0.29
HSL	186°, 67%, 42%
HSV	186°, 80%, 71%
XYZ	22.4209, 30.5806, 47.9010
YIQ	128.1390, -81.6990, -22.6830

Conversions

Conversions Part 2

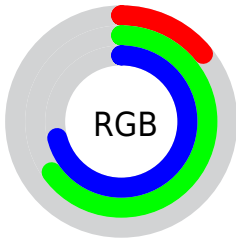
Format	Color
R_{YB}	36, 104, 180
Decimal	2401716
CIE _{Lab}	62.15, -27.92, -17.37
CIE _{LCh}	62, 32.881, 211.879
Yxy	30.5806, 0.2222, 0.3031
Android (android.graphics.Color)	4280591796 (0xFF24A5B4)
YUV	128.1390, 25.5675, -80.8059
Hunter-Lab	55.2997, -24.4029, -12.6476

Details

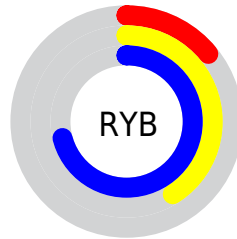
The XYZ color **22.4209, 30.5806, 47.9010** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.3256, 12.1995, 2.9535**, and the grayscale version is **20.5020, 21.5697, 23.4894**.

A 20% lighter version of the original color is **46.7969, 60.3683, 88.5427**, and **9.7359, 13.3426, 22.1409** is the 20% darker color. If you saturate the color by 10%, you get **21.6078, 29.6637, 47.7674**, and if you desaturate by 10%, it is **23.5566, 31.6724, 48.0525**.

Distribution



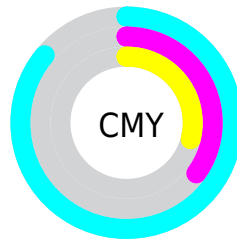
- Red (14%)
- Green (65%)
- Blue (71%)



- Red (14%)
- Yellow (41%)
- Blue (71%)



- Cyan (80%)
- Magenta (8%)
- Yellow (0%)
- Black (29%)



- Cyan (86%)
- Magenta (35%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4209, 30.5806, 47.9010 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 22.4209, 30.5806, 47.9010 by changing the saturation by 10% instead.

■ 22.4209, 30.5806,
47.9010

■ 22.4209, 30.5806,
47.9010

257.3277,
304.6015, 394.8970

■ 14.2848, 20.2797,
33.3891

■ 46.9144, 60.5792,
88.4210

■ 8.4021, 12.5985,
22.1511

■ 64.0025, 81.0456,
115.2661

■ 4.4072, 7.1527,
13.7686

■ 84.8053, 105.6694,
147.0594

■ 1.9350, 3.5578,
7.8230

■ 109.6882,
134.8348, 184.2194

■ 0.5971, 1.4294,
3.8957

■ 139.0166,
168.9263, 227.1646

■ 0.0000, 0.2382,
1.5683

173.1557,

■ 0.0000, 0.0000,

208.3284, 276.3136

0.2681

212.4710,
253.4253, 332.0848

■ 0.0000, 0.0000,
0.0000

■ 22.4209, 30.5806,
47.9010

■ 22.4209, 30.5806,
47.9010

■ 21.6078, 29.6637,
47.7674

■ 23.5566, 31.6724,
48.0525

■ 21.0275, 28.8734,
47.6455

■ 25.0537, 32.9574,
48.2216

■ 21.0271, 28.8729,
47.6454

■ 26.9486, 34.4549,
48.4107

■ 29.2725, 36.1809,
48.6214

■ 32.0535, 38.1501,
48.8549

■ 35.3171, 40.3755,
49.1125

■ 39.0870, 42.8696,
49.3952

■ 43.3855, 45.6437,
49.7041

■ 48.2334, 48.7086,
50.0402

Harmonies

Analogous

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



21.3621, 30.5806, 34.1027



22.4209, 30.5806, 47.9010



25.2360, 30.5806, 59.7543

Triad

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



22.4209, 30.5806, 47.9010



37.2373, 30.5806, 46.1585



28.7878, 30.5806, 14.3931

Complementary

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



22.4209, 30.5806, 47.9010



20.3256, 12.1995, 2.9535

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.



33.2651, 30.5806, 16.0936



22.4209, 30.5806, 47.9010



38.4296, 30.5806, 32.5042

Square

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



22.4209, 30.5806, 47.9010



33.7967, 30.5806, 58.5818



36.9091, 30.5806, 22.0113



24.7986, 30.5806, 16.5908

Rectangle

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



22.4209, 30.5806, 47.9010



27.8801, 30.5806, 63.7276



36.9091, 30.5806, 22.0113



30.2850, 30.5806, 14.5258

Sweetspot

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



22.4219, 30.5817, 47.9017



61.3118, 71.3672, 88.8384



17.6341, 33.2521, 8.5532



12.8107, 15.1231, 19.1661



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



22.4219, 30.5817, 47.9017



38.3842, 52.6937, 86.4425



12.9342, 11.6065, 44.7392



8.6655, 9.4773, 10.8789



14.7043, 20.2090, 33.2627



0.4842, 0.6790, 1.0538

Inverse Universe

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



26.2456, 13.6826, 36.8561



46.0063, 22.5080, 63.6397



26.1507, 23.8498, 4.8952



8.8111, 8.6312, 10.5038



17.6567, 8.5802, 24.4160



0.5664, 0.2743, 0.8255

Previews

White Background



This preview shows how the XYZ color 22.4209, 30.5806, 47.9010 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 22.4209, 30.5806, 47.9010 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 22.4209, 30.5806, 47.9010

Background



This preview shows how black text looks on a background with the XYZ color 22.4209, 30.5806, 47.9010.

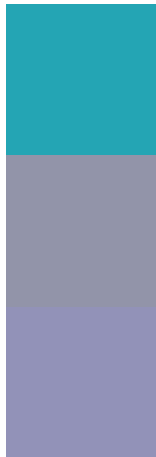


This preview shows how white text looks on a background with the XYZ color 22.4209, 30.5806,

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

22.4209, 30.5806, 47.9010

Protanopia

29.6054, 30.1554, 41.7963

Deuteranopia

30.7847, 30.1295, 49.5404



Tritanopia

22.2850, 30.5223, 47.3647

Trichromacy



Original Color

22.4209, 30.5806, 47.9010

Protanomaly

25.0423, 29.1925, 43.8500

Deuteranomaly

25.8823, 29.2655, 49.0844

Tritanomaly

22.2850, 30.5223, 47.3647

Monochromacy



Original Color

22.4209, 30.5806, 47.9010

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.5107, 23.5892, 31.1286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4209, 30.5806, 47.9010 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(36, 165, 180)` looks like.

```
.text, #text, p{  
    color:rgb(36, 165, 180)  
}
```

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(36, 165, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 165, 180) }
```

Border

The CSS property to change the border of an element to XYZ 22.4209, 30.5806, 47.9010 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(36, 165, 180) }
```


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

```
.border{ border-color:rgb(36, 165, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 165, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(36, 165, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(36, 165, 180); box-shadow:4px 4px 4px 4px rgb(36, 165, 180) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4209, 30.5806, 47.9010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 165, 180) }
```

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

```
.background{ background-color: rgb(36, 165,  
180) }
```

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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