

Converting Colors

XYZ(22.8886, 30.1429, 52.2975)

Have a look what the booklet for
XYZ(22.8886, 30.1429, 52.2975)
contains.

XYZ(22.9018, 30.2003, 52.1991)	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(22.9018, 30.2003,
52.1991)**

Conversions

Conversions Part 1

Format	Color
Hex	24A3BC
RGB	36, 163, 188
RGB Percent	14%, 64%, 74%
CMY	0.8588, 0.3608, 0.2627
CMYK	0.81, 0.13, 0.00, 0.26
HSL	190°, 68%, 44%
HSV	190°, 81%, 74%
XYZ	22.9018, 30.2003, 52.1991
YIQ	127.8770, -83.7170, -19.1490

Conversions

Conversions Part 2

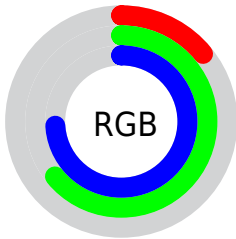
Format	Color
R _Y B	36, 105, 188
Decimal	2401212
CIE Lab	61.83, -24.33, -22.35
CIE LCh	62, 33.032, 222.571
Yxy	30.2003, 0.2175, 0.2868
Android (android.graphics.Color)	4280591292 (0xFF24A3BC)
YUV	127.8770, 29.6406, -80.5761
Hunter-Lab	54.9548, -21.7830, -17.8486

Details

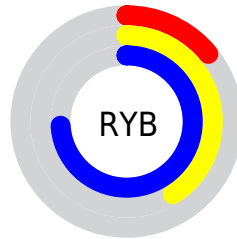
The XYZ color **22.9018, 30.2003, 52.1991** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **22.7272, 14.1575, 3.2048**, and the grayscale version is **20.3981, 21.4604, 23.3704**.

A 20% lighter version of the original color is **47.5849, 59.8626, 94.6346**, and **10.0576, 13.1181, 24.9236** is the 20% darker color. If you saturate the color by 10%, you get **21.8674, 28.8625, 51.9960**, and if you desaturate by 10%, it is **24.2959, 31.7446, 52.4243**.

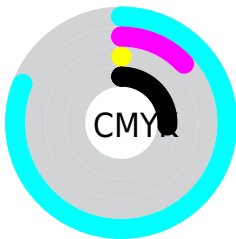
Distribution



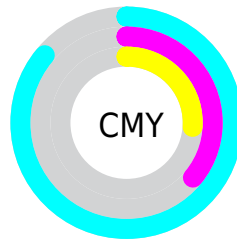
- Red (14%)
- Green (64%)
- Blue (74%)



- Red (14%)
- Yellow (41%)
- Blue (74%)



- Cyan (81%)
- Magenta (13%)
- Yellow (0%)
- Black (26%)



- Cyan (86%)
- Magenta (36%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9018, 30.2003, 52.1991 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 22.9018, 30.2003, 52.1991 by changing the saturation by 10% instead.

■ 22.9018, 30.2003,
52.1991

■ 22.9018, 30.2003,
52.1991

259.7650,
302.8370, 412.1836

■ 14.6413, 19.9907,
36.7805

■ 47.6999, 59.9788,
94.8544

■ 8.6527, 12.3883,
24.7431

■ 64.9682, 80.3165,
122.9281

■ 4.5706, 7.0087,
15.6685

■ 85.9698, 104.7989,
156.0572

■ 2.0298, 3.4675,
9.1381

■ 111.0701,
133.8106, 194.6604

■ 0.6506, 1.3804,
4.7333

■ 140.6344,
167.7358, 239.1560

■ 0.0000, 0.2022,
2.0357

175.0281,

■ 0.0000, 0.0000,

206.9590, 289.9628

0.5771

214.6165,
251.8646, 347.4991

■ 0.0000, 0.0000,
0.0000

■ 22.9018, 30.2003,
52.1991

■ 22.9018, 30.2003,
52.1991

■ 21.8674, 28.8625,
51.9960

■ 24.2959, 31.7446,
52.4243

■ 21.1476, 27.7717,
51.8234

■ 26.0942, 33.5168,
52.6716

■ 28.3378, 35.5388,
52.9436

■ 31.0618, 37.8288,
53.2420

■ 34.2977, 40.4031,
53.5684

■ 38.0745, 43.2769,
53.9240

■ 42.4186, 46.4639,
54.3102

■ 47.3550, 49.9771,
54.7282

■ 52.9069, 53.8286,
55.1790

Harmonies

Analogous

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



21.1983, 30.2003, 38.4566



22.9018, 30.2003, 52.1991



26.2389, 30.2003, 61.9201

Triad

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



22.9018, 30.2003, 52.1991



37.5784, 30.2003, 40.7063



26.8982, 30.2003, 14.4196

Complementary

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



22.9018, 30.2003, 52.1991



22.7272, 14.1575, 3.2048

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.



31.3199, 30.2003, 14.7293



22.9018, 30.2003, 52.1991



37.8015, 30.2003, 27.8757

Square

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



22.9018, 30.2003, 52.1991



34.8314, 30.2003, 54.2050



35.4128, 30.2003, 19.0386



23.3418, 30.2003, 18.0453

Rectangle

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



22.9018, 30.2003, 52.1991



29.0865, 30.2003, 63.5979



35.4128, 30.2003, 19.0386



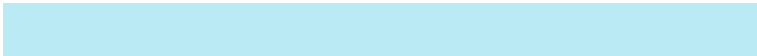
28.3258, 30.2003, 14.1001

Sweetspot

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



22.9028, 30.2014, 52.1998



66.4598, 76.5204, 97.4933



19.4959, 36.6559, 10.1597



13.7696, 16.0574, 20.9162



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.



22.9028, 30.2014, 52.1998



38.5526, 50.6473, 93.9702



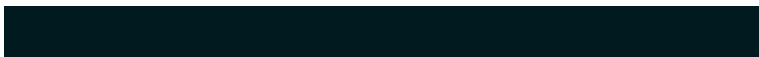
13.3949, 11.1856, 49.0305



9.6714, 10.5351, 12.1959



14.4445, 19.0007, 35.2991



0.6020, 0.8166, 1.3947

Inverse Universe

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



27.9816, 14.5984, 35.9944



48.7757, 23.9798, 60.2875



29.6947, 28.0925, 5.5273



9.8607, 9.6686, 11.6556



18.2917, 8.9478, 22.6274



0.7347, 0.3578, 0.9824

Previews

White Background



This preview shows how the XYZ color 22.9018, 30.2003, 52.1991 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 22.9018, 30.2003, 52.1991 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

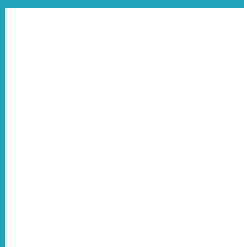
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.9018, 30.2003, 52.1991

Background



This preview shows how black text looks on a background with the XYZ color 22.9018, 30.2003, 52.1991.

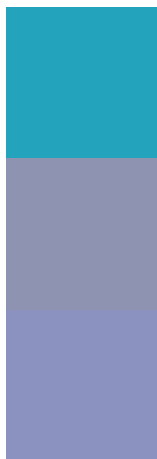


This preview shows how white text looks on a background with the XYZ color 22.9018, 30.2003,

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

22.9018, 30.2003, 52.1991

Protanopia

29.5249, 29.7925, 45.7894

Deuteranopia

30.6085, 29.9390, 54.0347



Tritanopia

21.8444, 30.3068, 46.8180

Trichromacy



Original Color

22.9018, 30.2003, 52.1991

Protanomaly

25.3252, 29.0022, 47.9793

Deuteranomaly

26.1117, 29.0428, 53.5198

Tritanomaly

22.1978, 30.1752, 48.9104

Monochromacy



Original Color

22.9018, 30.2003, 52.1991

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.7492, 23.6847, 32.3849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9018, 30.2003, 52.1991 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, 163, 188)` looks like.

```
.text, #text, p{  
    color:rgb(36, 163, 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(36, 163, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 163, 188) }
```

Border

The CSS property to change the border of an element to XYZ 22.9018, 30.2003, 52.1991 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, 163, 188) }
```


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

```
.border{ border-color:rgb(36, 163, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 163, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 163, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 163, 188);  
box-shadow:4px 4px 4px 4px rgb(36, 163,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9018, 30.2003, 52.1991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 163, 188) }
```

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

```
.background{ background-color: rgb(36, 163,  
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](#).

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