

Converting Colors

XYZ(23.8209, 30.3401, 45.3193)

Have a look what the booklet for
XYZ(23.8209, 30.3401, 45.3193)
contains.

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Color

**XYZ(23.7910, 30.2904,
45.1501)**

Conversions

Conversions Part 1

Format	Color
Hex	50A1AF
RGB	80, 161, 175
RGB Percent	31%, 63%, 69%
CMY	0.6863, 0.3686, 0.3137
CMYK	0.54, 0.08, 0.00, 0.31
HSL	189°, 37%, 50%
HSV	189°, 54%, 69%
XYZ	23.7910, 30.2904, 45.1501
YIQ	138.3770, -52.7700, -12.8180

Conversions

Conversions Part 2

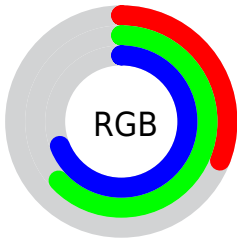
Format	Color
RYB	80, 124, 175
Decimal	5284271
CIELab	61.90, -20.68, -14.82
CIElCh	62, 25.447, 215.628
Yxy	30.2904, 0.2398, 0.3052
Android (android.graphics.Color)	4283474351 (0xFF50A1AF)
YUV	138.3770, 18.0551, -51.1966
Hunter-Lab	55.0367, -19.1532, -10.1136

Details

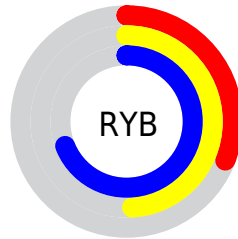
The XYZ color **23.7910, 30.2904, 45.1501** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.1305, 17.6992, 9.7874**, and the grayscale version is **24.2499, 25.5128, 27.7835**.

A 20% lighter version of the original color is **49.2962, 60.1996, 84.6228**, and **9.1314, 12.4125, 20.6535** is the 20% darker color. If you saturate the color by 10%, you get **22.0557, 28.7343, 44.9418**, and if you desaturate by 10%, it is **25.9223, 32.0657, 45.3810**.

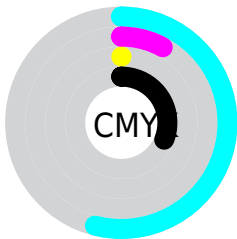
Distribution



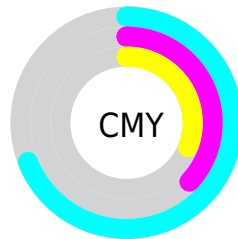
- Red (31%)
- Green (63%)
- Blue (69%)



- Red (31%)
- Yellow (49%)
- Blue (69%)



- Cyan (54%)
- Magenta (8%)
- Yellow (0%)
- Black (31%)



- Cyan (69%)
- Magenta (37%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7910, 30.2904, 45.1501 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 23.7910, 30.2904, 45.1501 by changing the saturation by 10% instead.

■ 23.7910, 30.2904,
45.1501

■ 23.7910, 30.2904,
45.1501

264.2223,
303.2557, 383.5590

■ 15.3026, 20.0591,
31.2319

■ 49.1461, 60.1211,
84.2664

■ 9.1197, 12.4380,
20.5155

■ 66.7434, 80.4894,
110.3016

■ 4.8771, 7.0427,
12.5825

■ 88.1078, 105.0054,
141.2129

■ 2.2093, 3.4888,
7.0144

■ 113.6045,
134.0535, 177.4187

■ 0.7477, 1.3920,
3.3925

143.5990,
168.0182, 219.3377

■ 0.0000, 0.2108,
1.2984

178.4565,

■ 0.0000, 0.0000,

207.2839, 267.3884

0.0605

218.5425,
252.2350, 321.9893

■ 0.0000, 0.0000,
0.0000

■ 23.7910, 30.2904,
45.1501

■ 23.7910, 30.2904,
45.1501

■ 22.0557, 28.7343,
44.9418

■ 25.9223, 32.0657,
45.3810

■ 20.6829, 27.3782,
44.7524

■ 28.4741, 34.0710,
45.6336

■ 19.6383, 26.2050,
44.5810

■ 31.4722, 36.3204,
45.9097

■ 18.8796, 25.1926,
44.4255

■ 34.9395, 38.8256,
46.2105

■ 18.5193, 24.6578,
44.3413

■ 38.8972, 41.5978,
46.5370

■ 43.3654, 44.6474,
46.8901

■ 48.3629, 47.9841,
47.2708

■ 53.9075, 51.6172,
47.6798

■ 60.0164, 55.5556,
48.1180

Harmonies

Analogous

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



22.7553, 30.2904, 34.8539



23.7910, 30.2904, 45.1501



26.1728, 30.2904, 53.1720

Triad

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



23.7910, 30.2904, 45.1501



35.1732, 30.2904, 41.3369



28.1529, 30.2904, 17.6224

Complementary

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



23.7910, 30.2904, 45.1501



23.1305, 17.6992, 9.7874

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.



31.5764, 30.2904, 18.6834



23.7910, 30.2904, 45.1501



35.8074, 30.2904, 31.1766

Square

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



23.7910, 30.2904, 45.1501



32.7737, 30.2904, 50.6841



34.4446, 30.2904, 23.2223



25.1432, 30.2904, 19.9706

Rectangle

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



23.7910, 30.2904, 45.1501



28.2941, 30.2904, 55.4248



34.4446, 30.2904, 23.2223



29.2919, 30.2904, 17.5988

Sweetspot

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



23.7919, 30.2915, 45.1508



61.2681, 68.6027, 82.6493



20.6000, 33.1505, 15.5925



13.3323, 15.0430, 18.3452



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.7919, 30.2915, 45.1508



39.0010, 50.9886, 80.4231



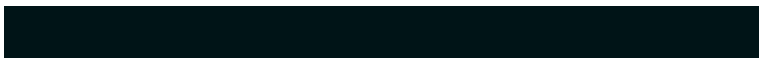
17.1587, 17.0250, 42.9397



8.1343, 8.8679, 10.2357



13.2971, 17.7282, 31.7656



0.3968, 0.5469, 0.8926

Inverse Universe

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



26.9817, 17.4253, 35.6608



45.5352, 26.3954, 60.5871



28.5303, 28.4989, 11.5874



8.2856, 8.1275, 9.8146



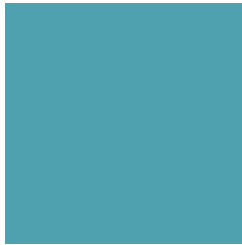
16.5754, 8.0927, 21.2074



0.4747, 0.2306, 0.6613

Previews

White Background



This preview shows how the XYZ color 23.7910, 30.2904, 45.1501 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 23.7910, 30.2904, 45.1501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

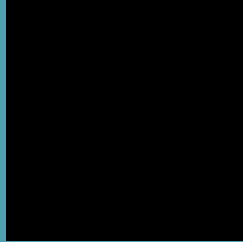
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.7910, 30.2904, 45.1501

Background



This preview shows how black text looks on a background with the XYZ color 23.7910, 30.2904, 45.1501.



This preview shows how white text looks on a background with the XYZ color 23.7910, 30.2904,

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

23.7910, 30.2904, 45.1501

Protanopia

29.3269, 30.0440, 40.3298

Deuteranopia

30.5557, 29.8547, 46.2716



Tritanopia

23.6931, 30.2512, 44.6347

Trichromacy



Original Color

23.7910, 30.2904, 45.1501

Protanomaly

26.5787, 29.7846, 41.8843

Deuteranomaly

27.3146, 29.5926, 45.8673

Tritanomaly

23.6931, 30.2512, 44.6347

Monochromacy



Original Color

23.7910, 30.2904, 45.1501

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

23.2009, 26.5740, 33.1846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7910, 30.2904, 45.1501 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(80, 161, 175)` looks like.

```
.text, #text, p{  
    color:rgb(80, 161, 175)  
}
```

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(80, 161, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 161, 175) }
```

Border

The CSS property to change the border of an element to XYZ 23.7910, 30.2904, 45.1501 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(80, 161, 175) }
```


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

```
.border{ border-color:rgb(80, 161, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 161, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 161, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 161, 175);  
box-shadow:4px 4px 4px 4px rgb(80, 161,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7910, 30.2904, 45.1501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 161, 175) }
```

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

```
.background{ background-color: rgb(80, 161,  
175) }
```

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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