

Converting Colors

XYZ(23.7866, 31.1350, 55.6540)

Have a look what the booklet for
XYZ(23.7866, 31.1350, 55.6540)
contains.

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Color

**XYZ(23.7884, 31.1124,
55.7904)**

Conversions

Conversions Part 1

Format	Color
Hex	20A5C2
RGB	32, 165, 194
RGB Percent	13%, 65%, 76%
CMY	0.8744, 0.3529, 0.2392
CMYK	0.83, 0.15, 0.00, 0.24
HSL	191°, 72%, 44%
HSV	191°, 83%, 76%
XYZ	23.7884, 31.1124, 55.7904
YIQ	128.5390, -88.5770, -19.1770

Conversions

Conversions Part 2

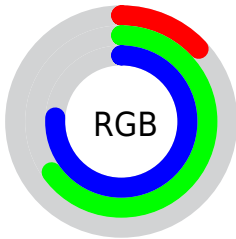
Format	Color
RYB	32, 105, 194
Decimal	2139586
CIELab	62.60, -23.71, -24.52
CIElCh	63, 34.105, 225.967
Yxy	31.1124, 0.2149, 0.2811
Android (android.graphics.Color)	4280329666 (0xFF20A5C2)
YUV	128.5390, 32.2723, -84.6647
Hunter-Lab	55.7785, -21.4857, -20.2577

Details

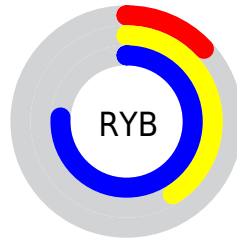
The XYZ color **23.7884, 31.1124, 55.7904** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **24.1789, 14.9129, 2.9718**, and the grayscale version is **20.6204, 21.6943, 23.6251**.

A 20% lighter version of the original color is **49.1901, 61.3396, 100.5139**, and **10.6388, 13.7037, 26.8953** is the 20% darker color. If you saturate the color by 10%, you get **22.7356, 29.6529, 55.5648**, and if you desaturate by 10%, it is **25.2146, 32.7908, 56.0398**.

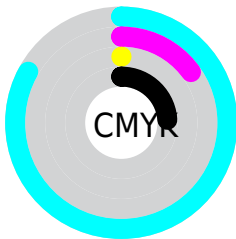
Distribution



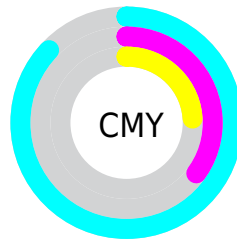
- Red (13%)
- Green (65%)
- Blue (76%)



- Red (13%)
- Yellow (41%)
- Blue (76%)



- Cyan (83%)
- Magenta (15%)
- Yellow (0%)
- Black (24%)



- Cyan (87%)
- Magenta (35%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7884, 31.1124, 55.7904 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 23.7884, 31.1124, 55.7904 by changing the saturation by 10% instead.

■ 23.7884, 31.1124,
55.7904

■ 23.7884, 31.1124,
55.7904

264.2093,
307.0558, 426.2672

■ 15.3006, 20.6845,
39.6320

■ 49.1419, 61.4170,
100.1808

■ 9.1183, 12.8935,
26.9402

■ 66.7383, 82.0624,
129.2499

■ 4.8762, 7.3553,
17.2962

■ 88.1016, 106.8825,
163.4596

■ 2.2088, 3.6853,
10.2817

■ 113.5972,
136.2615, 203.2286

■ 0.7474, 1.4991,
5.4781

■ 143.5904,
170.5840, 248.9753

■ 0.0000, 0.2881,
2.4668

178.4466,

■ 0.0000, 0.0000,

210.2343, 301.1183

0.8225

218.5311,
255.5967, 360.0761

■ 0.0000, 0.0000,
0.0000

■ 23.7884, 31.1124,
55.7904

■ 23.7884, 31.1124,
55.7904

■ 22.7356, 29.6529,
55.5648

■ 25.2146, 32.7908,
56.0398

■ 22.1824, 28.7846,
55.4263

■ 27.0655, 34.7131,
56.3133

■ 29.3874, 36.9038,
56.6138

■ 32.2195, 39.3834,
56.9431

■ 35.5968, 42.1701,
57.3030

■ 39.5513, 45.2805,
57.6949

■ 44.1123, 48.7300,
58.1204

■ 49.3072, 52.5329,
58.5806

■ 55.1615, 56.7024,
59.0768

Harmonies

Analogous

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



21.7898, 31.1124, 41.4095



23.7884, 31.1124, 55.7904



27.4584, 31.1124, 65.2389

Triad

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



23.7884, 31.1124, 55.7904



39.1087, 31.1124, 40.4640



27.1823, 31.1124, 14.7568

Complementary

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



23.7884, 31.1124, 55.7904



24.1789, 14.9129, 2.9718

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.



31.7902, 31.1124, 14.6288



23.7884, 31.1124, 55.7904



39.0148, 31.1124, 27.3167

Square

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



23.7884, 31.1124, 55.7904



36.4675, 31.1124, 54.9439



36.2230, 31.1124, 18.6151



23.6046, 31.1124, 19.0275

Rectangle

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



23.7884, 31.1124, 55.7904



30.5094, 31.1124, 66.2108



36.2230, 31.1124, 18.6151



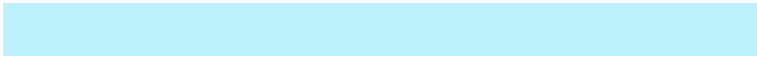
28.6528, 31.1124, 14.2748

Sweetspot

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



23.7894, 31.1135, 55.7912



70.2124, 80.9192, 104.3882



20.6779, 39.2072, 10.6175



14.8025, 17.2720, 22.8036



0.0000, 0.0000, 0.0000



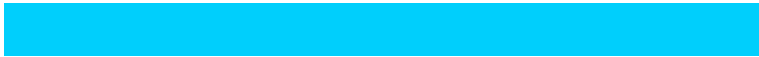
20.3446, 21.4041, 23.3091

Same Dimension

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



23.7894, 31.1135, 55.7912



40.0170, 51.8067, 100.3604



13.6626, 10.8598, 52.4155



10.2102, 11.1118, 12.8915



14.6386, 19.0337, 36.4589



0.6735, 0.9044, 1.5890

Inverse Universe

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



29.5571, 15.2201, 36.9783



51.6019, 25.2971, 61.3589



31.8883, 30.3318, 5.5416



10.4174, 10.2156, 12.2887



18.7849, 9.2037, 22.5769



0.8323, 0.4059, 1.0845

Previews

White Background



This preview shows how the XYZ color 23.7884, 31.1124, 55.7904 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 23.7884, 31.1124, 55.7904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

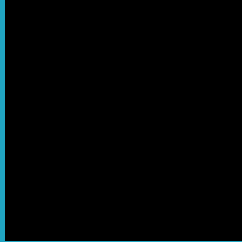
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.7884, 31.1124, 55.7904

Background



This preview shows how black text looks on a background with the XYZ color 23.7884, 31.1124, 55.7904.

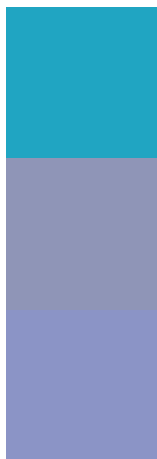


This preview shows how white text looks on a background with the XYZ color 23.7884, 31.1124,

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

23.7884, 31.1124, 55.7904

Protanopia

30.6224, 30.7534, 49.1218

Deuteranopia

31.4304, 30.7460, 57.7041



Tritanopia

22.1592, 30.9736, 48.5267

Trichromacy



Original Color

23.7884, 31.1124, 55.7904

Protanomaly

26.2845, 29.9141, 51.4024

Deuteranomaly

26.8892, 29.8517, 57.1681

Tritanomaly

22.6508, 30.8958, 51.2240

Monochromacy



Original Color

23.7884, 31.1124, 55.7904

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.0389, 24.0256, 33.7182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7884, 31.1124, 55.7904 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(32, 165, 194)` looks like.

```
.text, #text, p{  
    color:rgb(32, 165, 194)  
}
```

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(32, 165, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 165, 194) }
```

Border

The CSS property to change the border of an element to XYZ 23.7884, 31.1124, 55.7904 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(32, 165, 194) }
```


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

```
.border{ border-color:rgb(32, 165, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 165, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 165, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 165, 194);  
box-shadow:4px 4px 4px 4px rgb(32, 165,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7884, 31.1124, 55.7904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 165, 194) }
```

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

```
.background{ background-color: rgb(32, 165,  
194) }
```

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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