

Converting Colors

XYZ(21.4010, 23.6524, 63.7599)

Have a look what the booklet for
XYZ(21.4010, 23.6524, 63.7599)
contains.

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Color

**XYZ(21.3934, 23.6208,
63.7533)**

Conversions

Conversions Part 1

Format	Color
Hex	1D8CD1
RGB	29, 140, 209
RGB Percent	11%, 55%, 82%
CMY	0.8862, 0.4510, 0.1804
CMYK	0.86, 0.33, 0.00, 0.18
HSL	203°, 76%, 47%
HSV	203°, 86%, 82%
XYZ	21.3934, 23.6208, 63.7533
YIQ	114.6770, -88.3050, -2.0730

Conversions

Conversions Part 2

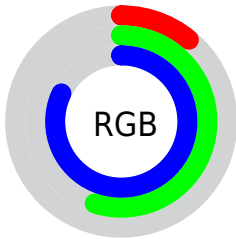
Format	Color
R_{YB}	29, 98, 209
Decimal	1936593
CIE _{Lab}	55.71, -4.93, -43.69
CIE _{LCh}	56, 43.965, 263.560
Yxy	23.6208, 0.1967, 0.2172
Android (android.graphics.Color)	4280126673 (0xFF1D8CD1)
YUV	114.6770, 46.5012, -75.1387
Hunter-Lab	48.6012, -6.4796, -43.7536

Details

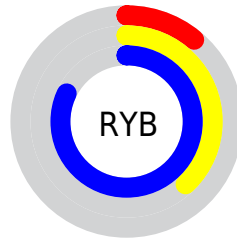
The XYZ color **21.3934, 23.6208, 63.7533** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **30.8865, 22.3836, 3.8564**, and the grayscale version is **16.0833, 16.9209, 18.4269**.

A 20% lighter version of the original color is **43.1834, 48.4857, 101.6904**, and **9.4889, 9.6454, 31.9335** is the 20% darker color. If you saturate the color by 10%, you get **19.8601, 21.1554, 63.3587**, and if you desaturate by 10%, it is **23.4124, 26.4638, 64.1962**.

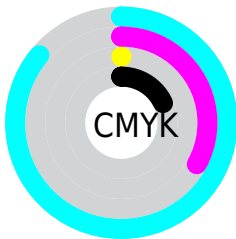
Distribution



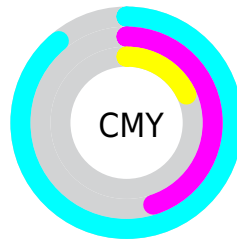
- Red (11%)
- Green (55%)
- Blue (82%)



- Red (11%)
- Yellow (38%)
- Blue (82%)



- Cyan (86%)
- Magenta (33%)
- Yellow (0%)
- Black (18%)



- Cyan (89%)
- Magenta (45%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3934, 23.6208, 63.7533 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 21.3934, 23.6208, 63.7533 by changing the saturation by 10% instead.

■ 21.3934, 23.6208,
63.7533

■ 21.3934, 23.6208,
63.7533

252.0542,
270.8977, 456.4812

■ 13.5260, 15.0526,
46.0060

■ 45.2277, 49.4107,
111.8516

■ 7.8712, 8.8563,
31.9018

■ 61.9253, 67.4011,
143.0397

■ 4.0638, 4.6476,
21.0223

■ 82.2970, 89.3011,
179.5451

■ 1.7383, 2.0420,
12.9489

■ 106.7081,
115.4950, 221.7864

■ 0.4800, 0.6317,
7.2631

■ 135.5240,
146.3672, 270.1821

■ 0.0000, 0.0000,
3.5462

169.1101,

■ 0.0000, 0.0000,

182.3022, 325.1508

1.3799

207.8317,
223.6842, 387.1110

■ 0.0000, 0.0000,
0.1259

■ 0.0000, 0.0000,
0.0000

■ 21.3934, 23.6208,
63.7533

■ 21.3934, 23.6208,
63.7533

■ 19.8601, 21.1554,
63.3587

■ 23.4124, 26.4638,
64.1962

■ 19.3425, 20.2711,
63.2153

■ 25.9871, 29.7222,
64.6894

■ 29.1771, 33.4294,
65.2368

■ 33.0326, 37.6139,
65.8413

■ 37.5985, 42.3011,
66.5054

■ 42.9153, 47.5143,
67.2314

■ 49.0205, 53.2750,
68.0215

■ 55.9487, 59.6034,
68.8779

■ 63.7326, 66.5183,
69.8023

Harmonies

Analogous

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



17.2275, 23.6208, 54.7095



21.3934, 23.6208, 63.7533



26.5022, 23.6208, 59.9589

Triad

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



21.3934, 23.6208, 63.7533



32.4276, 23.6208, 16.2367



15.5918, 23.6208, 12.6216

Complementary

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



21.3934, 23.6208, 63.7533



30.8865, 22.3836, 3.8564

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.



18.8350, 23.6208, 7.8758



21.3934, 23.6208, 63.7533



28.6358, 23.6208, 9.3583

Square

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



21.3934, 23.6208, 63.7533



33.3800, 23.6208, 28.9207



23.5426, 23.6208, 6.9539



14.2130, 23.6208, 22.7628

Rectangle

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



21.3934, 23.6208, 63.7533



29.7213, 23.6208, 51.1657



23.5426, 23.6208, 6.9539



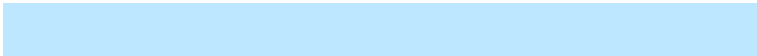
16.4747, 23.6208, 10.5197

Sweetspot

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



21.3943, 23.6216, 63.7539



67.1426, 74.3618, 105.4222



25.5132, 46.7449, 19.2367



13.7181, 15.2839, 22.4770



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.



21.3943, 23.6216, 63.7539



30.1475, 31.4150, 99.0825



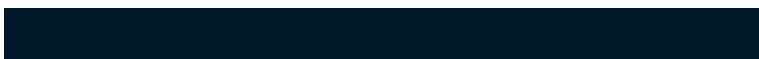
13.1575, 7.1479, 61.0083



11.7619, 12.6140, 15.0585



12.0239, 12.6943, 39.0090



0.7478, 0.8608, 2.2063

Inverse Universe

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



31.4683, 16.3287, 26.3046



47.3462, 23.7025, 34.0851



44.5007, 49.6121, 8.3945



12.1107, 11.9290, 13.8588



18.6998, 9.3528, 13.8573



1.0837, 0.5382, 0.9754

Previews

White Background



This preview shows how the XYZ color 21.3934, 23.6208, 63.7533 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 21.3934, 23.6208, 63.7533 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

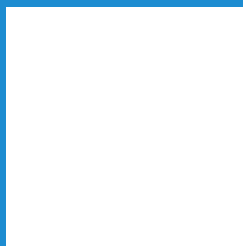
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.3934, 23.6208, 63.7533

Background



This preview shows how black text looks on a background with the XYZ color 21.3934, 23.6208, 63.7533.



This preview shows how white text looks on a background with the XYZ color 21.3934, 23.6208,

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

21.3934, 23.6208, 63.7533

Protanopia

24.7096, 23.3705, 58.4670

Deuteranopia

24.2652, 23.6021, 64.9048



Tritanopia

16.6053, 23.3361, 35.9769

Trichromacy



Original Color

21.3934, 23.6208, 63.7533

Protanomaly

22.6486, 23.0721, 60.3864

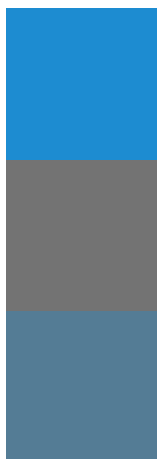
Deuteranomaly

22.7518, 23.4548, 64.3008

Tritanomaly

18.0471, 23.1920, 45.1203

Monochromacy



Original Color

21.3934, 23.6208, 63.7533

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.2886, 18.4700, 31.1403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3934, 23.6208, 63.7533 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(29, 140, 209)` looks like.

```
.text, #text, p{  
    color:rgb(29, 140, 209)  
}
```

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(29, 140, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 140, 209) }
```

Border

The CSS property to change the border of an element to XYZ 21.3934, 23.6208, 63.7533 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(29, 140, 209) }
```


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

```
.border{ border-color:rgb(29, 140, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 140, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 140, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 140, 209);  
box-shadow:4px 4px 4px 4px rgb(29, 140,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3934, 23.6208, 63.7533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 140, 209) }
```

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

```
.background{ background-color: rgb(29, 140,  
209) }
```

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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