

Converting Colors

XYZ(5.7745, 15.5302, 60.8561)

Have a look what the booklet for
XYZ(5.7745, 15.5302, 60.8561)
contains.

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Color

**XYZ(20.5187, 23.2124,
61.7915)**

Conversions

Conversions Part 1

Format	Color
Hex	008CCE
RGB	0, 140, 206
RGB Percent	0%, 55%, 81%
CMY	0.9998, 0.4510, 0.1922
CMYK	1.00, 0.32, 0.00, 0.19
HSL	199°, 100%, 40%
HSV	199°, 100%, 81%
XYZ	20.5187, 23.2124, 61.7915
YIQ	105.6640, -104.6260, -9.1540

Conversions

Conversions Part 2

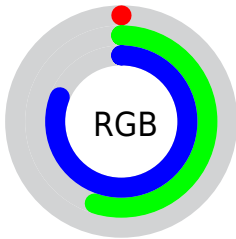
Format	Color
RYB	0, 83, 206
Decimal	36046
CIELab	55.29, -7.34, -42.67
CIELCh	55, 43.297, 260.237
Yxy	23.2124, 0.1944, 0.2200
Android (android.graphics.Color)	4278226126 (0xFF008CCE)
YUV	105.6640, 49.4656, -92.6673
Hunter-Lab	48.1792, -8.2937, -42.3159

Details

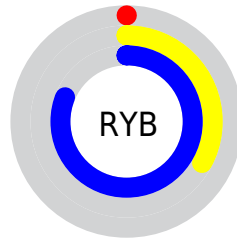
The XYZ color **20.5187, 23.2124, 61.7915** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **27.4053, 17.0244, 1.8431**, and the grayscale version is **13.5020, 14.2051, 15.4694**.

A 20% lighter version of the original color is **42.3755, 48.0693, 101.6526**, and **9.2421, 9.5467, 30.6337** is the 20% darker color. If you saturate the color by 10%, you get **20.5165, 23.2080, 61.7913**, and if you desaturate by 10%, it is **21.8147, 25.3561, 62.1375**.

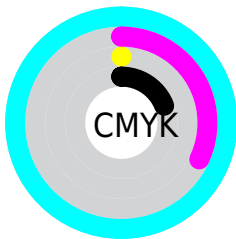
Distribution



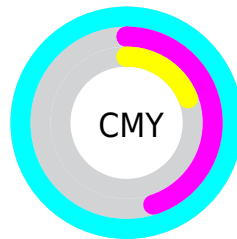
- Red (0%)
- Green (55%)
- Blue (81%)



- Red (0%)
- Yellow (33%)
- Blue (81%)



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (45%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5187, 23.2124, 61.7915 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 20.5187, 23.2124, 61.7915 by changing the saturation by 10% instead.

■ 20.5187, 23.2124,
61.7915

■ 20.5187, 23.2124,
61.7915

247.4899,
268.8141, 449.1568

■ 12.8831, 14.7504,
44.4295

■ 43.7825, 48.7419,
108.9928

■ 7.4245, 8.6444,
30.6687

■ 60.1413, 66.5781,
139.6692

■ 3.7777, 4.5100,
20.0903

■ 80.1387, 88.3079,
175.6209

■ 1.5771, 1.9627,
12.2760

■ 104.1399,
114.3157, 217.2664

■ 0.3774, 0.5857,
6.8071

■ 132.5102,
144.9858, 265.0241

■ 0.0000, 0.0000,
3.2652

165.6151,

■ 0.0000, 0.0000,

180.7026, 319.3128

1.2316

203.8199,
221.8506, 380.5508

■ 0.0000, 0.0000,
0.0047

■ 0.0000, 0.0000,
0.0000

■ 20.5187, 23.2124,
61.7915

■ 20.5187, 23.2124,
61.7915

■ 20.5165, 23.2080,
61.7913

■ 21.8147, 25.3561,
62.1375

■ 23.4899, 27.7823,
62.5175

■ 25.6552, 30.5500,
62.9376

■ 28.3702, 33.6913,
63.4008

■ 31.6855, 37.2336,
63.9098

■ 35.6454, 41.2011,
64.4669

■ 40.2900, 45.6157,
65.0742

■ 45.6558, 50.4975,
65.7337

■ 51.7767, 55.8652,
66.4472

Harmonies

Analogous

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



16.6191, 23.2124, 51.8663



20.5187, 23.2124, 61.7915



25.4483, 23.2124, 59.5296

Triad

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



20.5187, 23.2124, 61.7915



32.0208, 23.2124, 17.1157



15.6423, 23.2124, 11.7509

Complementary

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



20.5187, 23.2124, 61.7915



27.4053, 17.0244, 1.8431

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.



18.9915, 23.2124, 7.5843



20.5187, 23.2124, 61.7915



28.5815, 23.2124, 9.8009

Square

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



20.5187, 23.2124, 61.7915



32.5889, 23.2124, 30.0795



23.6823, 23.2124, 7.0326



14.0890, 23.2124, 21.0103

Rectangle

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



20.5187, 23.2124, 61.7915



28.6517, 23.2124, 51.6376



23.6823, 23.2124, 7.0326



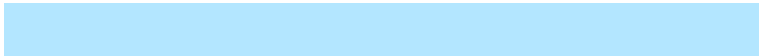
16.5703, 23.2124, 9.8765

Sweetspot

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



20.5196, 23.2131, 61.7921



64.9569, 73.6079, 105.3919



23.0341, 44.5281, 12.4227



13.1902, 15.0849, 22.4664



0.0000, 0.0000, 0.0000



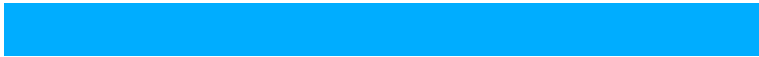
20.3446, 21.4041, 23.3091

Same Dimension

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



20.5196, 23.2131, 61.7921



33.0476, 37.2153, 100.0492



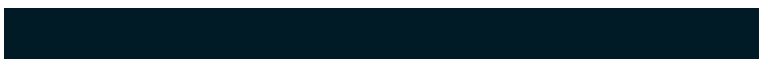
11.8283, 5.8306, 58.8950



11.2284, 12.0972, 14.3136



12.7243, 14.4725, 38.0791



0.7231, 0.8800, 1.9867

Inverse Universe

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



30.1881, 15.0165, 26.1188



48.8101, 24.2880, 41.7937



39.5017, 41.2172, 5.8752



11.5286, 11.3402, 13.3184



18.6335, 9.2640, 16.3207



0.9949, 0.4914, 1.0192

Previews

White Background



This preview shows how the XYZ color 20.5187, 23.2124, 61.7915 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 20.5187, 23.2124, 61.7915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

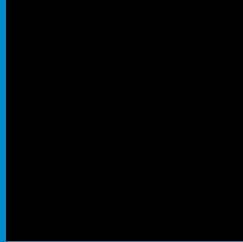
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.5187, 23.2124, 61.7915

Background



This preview shows how black text looks on a background with the XYZ color 20.5187, 23.2124, 61.7915.

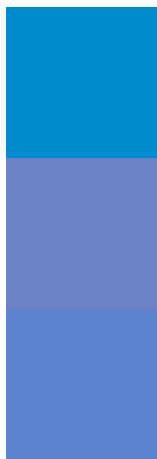


This preview shows how white text looks on a background with the XYZ color 20.5187, 23.2124,

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

20.5187, 23.2124, 61.7915

Protanopia

24.3674, 23.2477, 56.0263

Deuteranopia

23.8529, 23.2303, 62.9012



Tritanopia

16.5195, 23.3018, 35.5253

Trichromacy



Original Color

20.5187, 23.2124, 61.7915

Protanomaly

21.4047, 22.4855, 57.8556

Deuteranomaly

21.6138, 22.7028, 62.2744

Tritanomaly

17.7111, 23.0417, 44.0715

Monochromacy



Original Color

20.5187, 23.2124, 61.7915

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.6757, 16.1032, 27.9786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5187, 23.2124, 61.7915 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(0, 140, 206)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 206)  
}
```

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(0, 140, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 206) }
```

Border

The CSS property to change the border of an element to XYZ 20.5187, 23.2124, 61.7915 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(0, 140, 206) }
```


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

```
.border{ border-color:rgb(0, 140, 206) }
```

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

Here you see how a box with a 4 pixel rgb(0, 140, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 206);  
box-shadow:4px 4px 4px 4px rgb(0, 140,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5187, 23.2124, 61.7915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 140, 206) }
```

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

```
.background{ background-color: rgb(0, 140,  
206) }
```

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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