

Converting Colors

XYZ(20.6347, 23.3891, 60.5542)

Have a look what the booklet for
XYZ(20.6347, 23.3891, 60.5542)
contains.

XYZ(20.5657, 23.2645, 60.5333)	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(20.5657, 23.2645,
60.5333)**

Conversions

Conversions Part 1

Format	Color
Hex	148CCC
RGB	20, 140, 204
RGB Percent	8%, 55%, 80%
CMY	0.9214, 0.4510, 0.2000
CMYK	0.90, 0.31, 0.00, 0.20
HSL	201°, 82%, 44%
HSV	201°, 90%, 80%
XYZ	20.5657, 23.2645, 60.5333
YIQ	111.4160, -92.0640, -5.5360

Conversions

Conversions Part 2

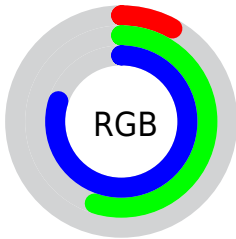
Format	Color
R_{YB}	20, 93, 204
Decimal	1346764
CIE Lab	55.34, -7.34, -41.45
CIE LCh	55, 42.092, 259.953
Yxy	23.2645, 0.1971, 0.2229
Android (android.graphics.Color)	4279536844 (0xFF148CCC)
YUV	111.4160, 45.6439, -80.1718
Hunter-Lab	48.2333, -8.2995, -40.6463

Details

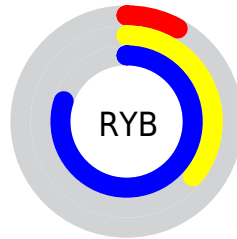
The XYZ color **20.5657, 23.2645, 60.5333** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **28.2014, 19.2336, 2.8894**, and the grayscale version is **15.1238, 15.9115, 17.3276**.

A 20% lighter version of the original color is **42.7135, 48.2435, 101.6684**, and **9.0810, 9.4823, 29.7854** is the 20% darker color. If you saturate the color by 10%, you get **19.2912, 21.1436, 60.1916**, and if you desaturate by 10%, it is **22.2401, 25.7174, 60.9190**.

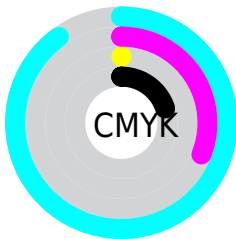
Distribution



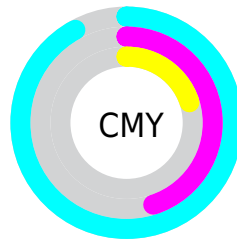
- Red (8%)
- Green (55%)
- Blue (80%)



- Red (8%)
- Yellow (36%)
- Blue (80%)



- Cyan (90%)
- Magenta (31%)
- Yellow (0%)
- Black (20%)



- Cyan (92%)
- Magenta (45%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5657, 23.2645, 60.5333 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 20.5657, 23.2645, 60.5333 by changing the saturation by 10% instead.

■ 20.5657, 23.2645,
60.5333

■ 20.5657, 23.2645,
60.5333

247.7370,
269.0806, 444.4198

■ 12.9176, 14.7889,
43.4205

■ 43.8604, 48.8273,
107.1538

■ 7.4484, 8.6714,
29.8814

■ 60.2376, 66.6833,
137.4987

■ 3.7929, 4.5275,
19.4973

■ 80.2552, 88.4349,
173.0913

■ 1.5856, 1.9728,
11.8497

■ 104.2786,
114.4664, 214.3502

■ 0.3830, 0.5916,
6.5201

■ 132.6731,
145.1624, 261.6940

■ 0.0000, 0.0000,
3.0900

165.8041,

■ 0.0000, 0.0000,

180.9072, 315.5411

1.1408

204.0370,
222.0851, 376.3102

■ 0.0000, 0.0000,
0.0000

■ 20.5657, 23.2645,
60.5333

■ 20.5657, 23.2645,
60.5333

■ 19.2912, 21.1436,
60.1916

■ 22.2401, 25.7174,
60.9190

■ 24.4011, 28.5220,
61.3465

■ 27.1084, 31.7111,
61.8193

■ 30.4115, 35.3120,
62.3403

■ 34.3544, 39.3488,
62.9116

■ 38.9763, 43.8436,
63.5356

■ 44.3131, 48.8165,
64.2142

■ 50.3984, 54.2863,
64.9492

■ 57.2630, 60.2704,
65.7425

Harmonies

Analogous

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



16.7694, 23.2645, 50.9079



20.5657, 23.2645, 60.5333



25.3577, 23.2645, 58.4796

Triad

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



20.5657, 23.2645, 60.5333



31.7923, 23.2645, 17.4530



15.8642, 23.2645, 12.0130

Complementary

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



20.5657, 23.2645, 60.5333



28.2014, 19.2336, 2.8894

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.



19.1561, 23.2645, 7.9070



20.5657, 23.2645, 60.5333



28.4840, 23.2645, 10.1836

Square

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



20.5657, 23.2645, 60.5333



32.3121, 23.2645, 30.1438



23.7344, 23.2645, 7.3842



14.3224, 23.2645, 21.0600

Rectangle

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



20.5657, 23.2645, 60.5333



28.4705, 23.2645, 50.9514



23.7344, 23.2645, 7.3842



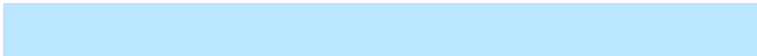
16.7789, 23.2645, 10.1688

Sweetspot

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



20.5666, 23.2653, 60.5339



66.9256, 74.8568, 105.5292



23.3807, 43.9346, 15.1025



13.7053, 15.4359, 22.5070



0.0000, 0.0000, 0.0000



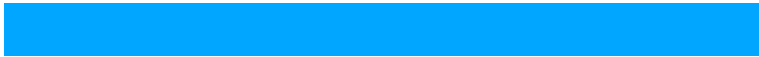
20.3446, 21.4041, 23.3091

Same Dimension

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



20.5666, 23.2653, 60.5339



31.7390, 34.5980, 99.6130



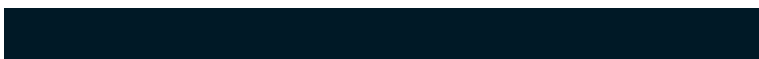
12.3588, 6.8497, 57.7980



11.2020, 12.0445, 14.3048



12.2319, 13.4878, 37.9150



0.7003, 0.8344, 1.9791

Inverse Universe

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



29.8865, 15.2324, 26.1764



48.1496, 24.0238, 38.3153



40.0373, 42.9055, 6.8347



11.5153, 11.3349, 13.2483



18.3850, 9.1646, 15.0120



0.9834, 0.4868, 0.9586

Previews

White Background



This preview shows how the XYZ color 20.5657, 23.2645, 60.5333 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 20.5657, 23.2645, 60.5333 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 20.5657, 23.2645, 60.5333

Background



This preview shows how black text looks on a background with the XYZ color 20.5657, 23.2645, 60.5333.

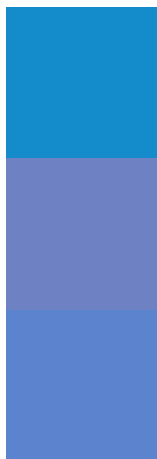


This preview shows how white text looks on a background with the XYZ color 20.5657, 23.2645,

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

20.5657, 23.2645, 60.5333

Protanopia

24.2634, 23.2204, 54.8329

Deuteranopia

23.8055, 23.2341, 61.6225



Tritanopia

16.3647, 22.9921, 35.4737

Trichromacy



Original Color

20.5657, 23.2645, 60.5333

Protanomaly

21.7787, 22.7052, 56.6608

Deuteranomaly

21.9302, 22.8940, 61.0207

Tritanomaly

17.7009, 23.0477, 43.5601

Monochromacy



Original Color

20.5657, 23.2645, 60.5333

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.2123, 17.5831, 29.3802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5657, 23.2645, 60.5333 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(20, 140, 204)` looks like.

```
.text, #text, p{  
    color:rgb(20, 140, 204)  
}
```

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(20, 140, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 140, 204) }
```

Border

The CSS property to change the border of an element to XYZ 20.5657, 23.2645, 60.5333 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(20, 140, 204) }
```


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

```
.border{ border-color:rgb(20, 140, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 140, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 140, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 140, 204);  
box-shadow:4px 4px 4px 4px rgb(20, 140,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5657, 23.2645, 60.5333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 140, 204) }
```

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

```
.background{ background-color: rgb(20, 140,  
204) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor