

Converting Colors

XYZ(20.1327, 21.8833, 61.9067)

Have a look what the booklet for
XYZ(20.1327, 21.8833, 61.9067)
contains.

XYZ(20.2357, 21.9924, 62.2099)	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(20.2357, 21.9924,
62.2099)**

Conversions

Conversions Part 1

Format	Color
Hex	1587CF
RGB	21, 135, 207
RGB Percent	8%, 53%, 81%
CMY	0.9175, 0.4706, 0.1882
CMYK	0.90, 0.35, 0.00, 0.19
HSL	203°, 82%, 45%
HSV	203°, 90%, 81%
XYZ	20.2357, 21.9924, 62.2099
YIQ	109.1220, -91.0560, -1.7760

Conversions

Conversions Part 2

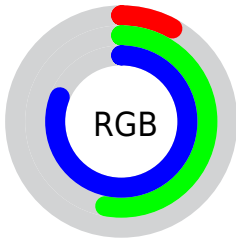
Format	Color
RYB	21, 92, 207
Decimal	1411023
CIELab	54.02, -3.25, -45.24
CIELCh	54, 45.351, 265.894
Yxy	21.9924, 0.1938, 0.2106
Android (android.graphics.Color)	4279601103 (0xFF1587CF)
YUV	109.1220, 48.2539, -77.2830
Hunter-Lab	46.8961, -5.0451, -45.8238

Details

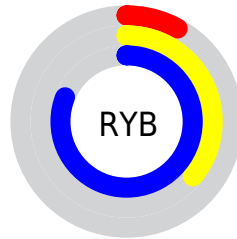
The XYZ color **20.2357, 21.9924, 62.2099** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **29.7845, 21.1529, 3.2238**, and the grayscale version is **14.4588, 15.2118, 16.5657**.

A 20% lighter version of the original color is **41.7421, 46.1295, 101.3116**, and **8.9953, 8.9226, 30.9539** is the 20% darker color. If you saturate the color by 10%, you get **18.8544, 19.6827, 61.8374**, and if you desaturate by 10%, it is **22.0310, 24.6411, 62.6270**.

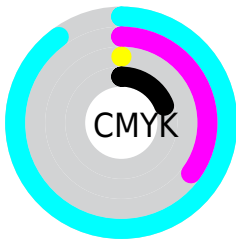
Distribution



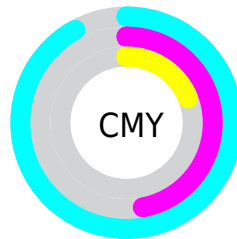
- Red (8%)
- Green (53%)
- Blue (81%)



- Red (8%)
- Yellow (36%)
- Blue (81%)



- Cyan (90%)
- Magenta (35%)
- Yellow (0%)
- Black (19%)



- Cyan (92%)
- Magenta (47%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2357, 21.9924, 62.2099 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 20.2357, 21.9924, 62.2099 by changing the saturation by 10% instead.

■ 20.2357, 21.9924,
62.2099

■ 20.2357, 21.9924,
62.2099

245.9976,
262.5066, 450.7251

■ 12.6757, 13.8513,
44.7654

■ 43.3129, 46.7334,
109.6034

■ 7.2811, 8.0173,
30.9311

■ 59.5609, 64.1022,
140.3895

■ 3.6864, 4.1060,
20.2884

■ 79.4356, 85.3156,
176.4599

■ 1.5263, 1.7331,
12.4187

■ 103.3024,
110.7581, 218.2331

■ 0.3436, 0.4449,
6.9035

■ 131.5267,
140.8140, 266.1277

■ 0.0000, 0.0000,
3.3243

164.4737,

■ 0.0000, 0.0000,

175.8678, 320.5622

1.2625

202.5089,
216.3039, 381.9551

■ 0.0000, 0.0000,
0.0308

■ 0.0000, 0.0000,
0.0000

■ 20.2357, 21.9924,
62.2099

■ 20.2357, 21.9924,
62.2099

■ 18.8544, 19.6827,
61.8374

■ 22.0310, 24.6411,
62.6270

■ 18.8341, 19.6480,
61.8317

■ 24.3473, 27.6857,
63.0926

■ 27.2466, 31.1609,
63.6106

■ 30.7805, 35.0961,
64.1839

■ 34.9949, 39.5171,
64.8151

■ 39.9306, 44.4474,
65.5066

■ 45.6254, 49.9089,
66.2606

■ 52.1143, 55.9216,
67.0792

■ 59.4296, 62.5047,
67.9643

Harmonies

Analogous

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



16.0521, 21.9924, 53.9629



20.2357, 21.9924, 62.2099



25.2943, 21.9924, 57.3525

Triad

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



20.2357, 21.9924, 62.2099



30.5777, 21.9924, 13.9881



14.0312, 21.9924, 11.7775

Complementary

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



20.2357, 21.9924, 62.2099



29.7845, 21.1529, 3.2238

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.



17.0520, 21.9924, 6.9487



20.2357, 21.9924, 62.2099



26.6446, 21.9924, 7.8305

Square

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



20.2357, 21.9924, 62.2099



31.7812, 21.9924, 25.9306



21.5850, 21.9924, 5.8545



12.8425, 21.9924, 22.0653

Rectangle

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



20.2357, 21.9924, 62.2099



28.4258, 21.9924, 48.0674



21.5850, 21.9924, 5.8545



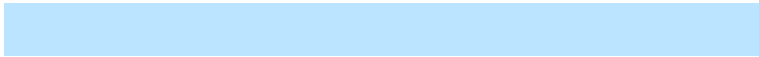
14.8406, 21.9924, 9.6462

Sweetspot

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



20.2366, 21.9931, 62.2105



66.1746, 73.3547, 105.2789



24.5684, 45.5640, 17.6977



13.5276, 15.0804, 22.4478



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.



20.2366, 21.9931, 62.2105



29.9852, 31.0903, 99.0284



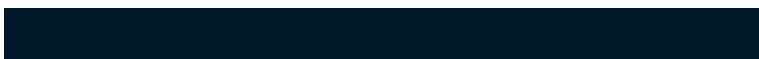
12.4262, 6.3724, 59.6070



11.7581, 12.6064, 15.0572



11.9604, 12.5674, 38.9879



0.7445, 0.8542, 2.2052

Inverse Universe

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



30.3743, 15.5521, 24.3232



47.2643, 23.6697, 33.6536



43.2805, 48.1449, 7.7225



12.1088, 11.9283, 13.8487



18.6678, 9.3400, 13.6886



1.0820, 0.5375, 0.9667

Previews

White Background



This preview shows how the XYZ color 20.2357, 21.9924, 62.2099 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 20.2357, 21.9924, 62.2099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

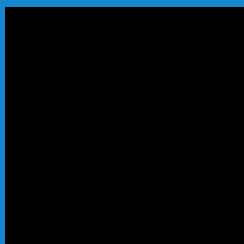
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

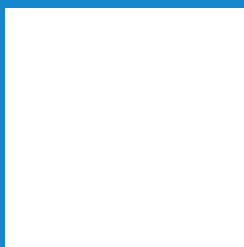
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.2357, 21.9924, 62.2099

Background



This preview shows how black text looks on a background with the XYZ color 20.2357, 21.9924, 62.2099.



This preview shows how white text looks on a background with the XYZ color 20.2357, 21.9924,

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

20.2357, 21.9924, 62.2099

Protanopia

23.2491, 21.8700, 57.0288

Deuteranopia

22.6671, 22.0094, 63.3752



Tritanopia

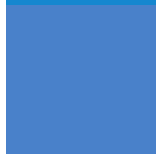
15.5722, 21.9448, 33.5520

Trichromacy



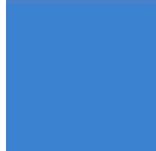
Original Color

20.2357, 21.9924, 62.2099



Protanomaly

21.2586, 21.3812, 58.8837



Deuteranomaly

21.3051, 21.7165, 62.7433



Tritanomaly

17.0210, 21.8249, 42.8507

Monochromacy



Original Color

20.2357, 21.9924, 62.2099



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

14.6498, 16.5790, 29.2160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2357, 21.9924, 62.2099 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(21, 135, 207)` looks like.

```
.text, #text, p{  
    color:rgb(21, 135, 207)  
}
```

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(21, 135, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 135, 207) }
```

Border

The CSS property to change the border of an element to XYZ 20.2357, 21.9924, 62.2099 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(21, 135, 207) }
```


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

```
.border{ border-color:rgb(21, 135, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 135, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 135, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 135, 207);  
box-shadow:4px 4px 4px 4px rgb(21, 135,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2357, 21.9924, 62.2099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 135, 207) }
```

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

```
.background{ background-color: rgb(21, 135,  
207) }
```

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