

Converting Colors

XYZ(19.8378, 22.2370, 60.3734)

Have a look what the booklet for
XYZ(19.8378, 22.2370, 60.3734)
contains.

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Color

**XYZ(19.8447, 22.2510,
60.3757)**

Conversions

Conversions Part 1

Format	Color
Hex	0089CC
RGB	0, 137, 204
RGB Percent	0%, 54%, 80%
CMY	0.9998, 0.4627, 0.2000
CMYK	1.00, 0.33, 0.00, 0.20
HSL	200°, 100%, 40%
HSV	200°, 100%, 80%
XYZ	19.8447, 22.2510, 60.3757
YIQ	103.6750, -103.1590, -8.2070

Conversions

Conversions Part 2

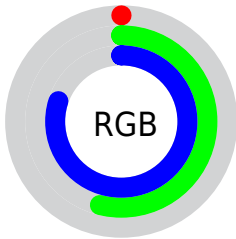
Format	Color
R _{YB}	0, 82, 204
Decimal	35276
CIE _{Lab}	54.29, -6.36, -43.12
CIE _{LCh}	54, 43.583, 261.608
Y _{xy}	22.2510, 0.1937, 0.2171
Android (android.graphics.Color)	4278225356 (0xFF0089CC)
YUV	103.6750, 49.4602, -90.9230
Hunter-Lab	47.1710, -7.4547, -42.8676

Details

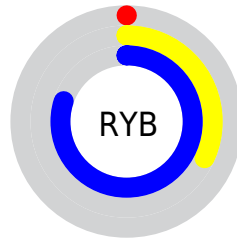
The XYZ color **19.8447, 22.2510, 60.3757** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **26.9117, 16.8564, 1.8363**, and the grayscale version is **12.9668, 13.6421, 14.8562**.

A 20% lighter version of the original color is **41.6090, 46.6996, 101.4286**, and **8.9145, 9.1494, 29.7299** is the 20% darker color. If you saturate the color by 10%, you get **19.8433, 22.2479, 60.3757**, and if you desaturate by 10%, it is **21.1250, 24.3697, 60.7176**.

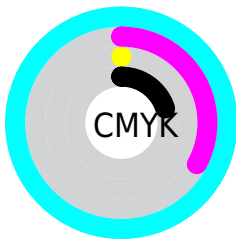
Distribution



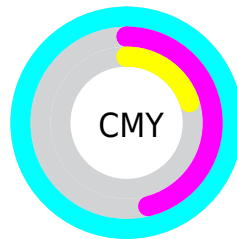
- Red (0%)
- Green (54%)
- Blue (80%)



- Red (0%)
- Yellow (32%)
- Blue (80%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (46%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8447, 22.2510, 60.3757 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 19.8447, 22.2510, 60.3757 by changing the saturation by 10% instead.

■ 19.8447, 22.2510,
60.3757

■ 19.8447, 22.2510,
60.3757

243.9228,
263.8543, 443.8242

■ 12.3898, 14.0414,
43.2943

■ 42.6626, 47.1605,
106.9232

■ 7.0838, 8.1495,
29.7829

■ 58.7563, 64.6292,
137.2263

■ 3.5614, 4.1908,
19.4232

■ 78.4603, 85.9531,
172.7737

■ 1.4571, 1.7808,
11.7966

■ 102.1401,
111.5166, 213.9840

■ 0.2964, 0.4752,
6.4845

■ 130.1608,
141.7041, 261.2756

■ 0.0000, 0.0000,
3.0683

162.8879,

■ 0.0000, 0.0000,

176.8999, 315.0672

1.1296

200.6868,
217.4885, 375.7772

■ 0.0000, 0.0000,
0.0000

■ 19.8447, 22.2510,
60.3757

■ 19.8447, 22.2510,
60.3757

■ 19.8433, 22.2479,
60.3757

■ 21.1250, 24.3697,
60.7176

■ 22.7781, 26.7696,
61.0938

■ 24.9132, 29.5089,
61.5100

■ 27.5884, 32.6190,
61.9693

■ 30.8532, 36.1269,
62.4743

■ 34.7510, 40.0562,
63.0273

■ 39.3208, 44.4285,
63.6304

■ 44.5986, 49.2637,
64.2855

■ 50.6173, 54.5800,
64.9944

Harmonies

Analogous

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



15.9722, 22.2510, 51.0306



19.8447, 22.2510, 60.3757



24.6910, 22.2510, 57.5588

Triad

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



19.8447, 22.2510, 60.3757



30.8195, 22.2510, 15.8206



14.7719, 22.2510, 11.3504

Complementary

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



19.8447, 22.2510, 60.3757



26.9117, 16.8564, 1.8363

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.



17.9629, 22.2510, 7.1460



19.8447, 22.2510, 60.3757



27.3383, 22.2510, 8.9730

Square

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



19.8447, 22.2510, 60.3757



31.5235, 22.2510, 28.2459



22.5090, 22.2510, 6.4780



13.3440, 22.2510, 20.6096

Rectangle

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



19.8447, 22.2510, 60.3757



27.8065, 22.2510, 49.4968



22.5090, 22.2510, 6.4780



15.6490, 22.2510, 9.4681

Sweetspot

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



19.8456, 22.2517, 60.3763



64.7859, 73.2659, 105.3349



22.5369, 43.5637, 12.1653



13.1493, 15.0031, 22.4528



0.0000, 0.0000, 0.0000



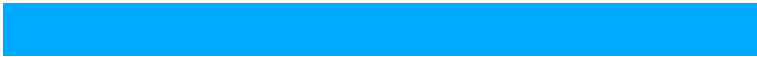
20.3446, 21.4041, 23.3091

Same Dimension

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



19.8456, 22.2517, 60.3763



32.6574, 36.4349, 99.9191



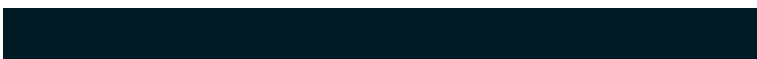
11.5747, 5.7101, 57.6193



11.2206, 12.0817, 14.3110



12.5776, 14.1791, 38.0302



0.7164, 0.8665, 1.9844

Inverse Universe

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



29.4180, 14.6445, 24.9437



48.6132, 24.2093, 40.7565



38.6492, 40.3315, 5.7488



11.5247, 11.3386, 13.2979



18.5595, 9.2344, 15.9308



0.9915, 0.4900, 1.0013

Previews

White Background



This preview shows how the XYZ color 19.8447, 22.2510, 60.3757 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 19.8447, 22.2510, 60.3757 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 19.8447, 22.2510, 60.3757

Background



This preview shows how black text looks on a background with the XYZ color 19.8447, 22.2510, 60.3757.

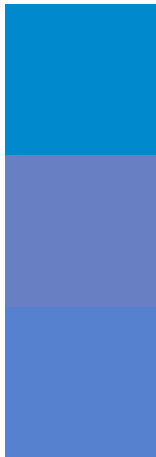


This preview shows how white text looks on a background with the XYZ color 19.8447, 22.2510,

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

19.8447, 22.2510, 60.3757

Protanopia

23.2654, 22.1221, 54.6735

Deuteranopia

22.8286, 22.1352, 61.4618



Tritanopia

15.8060, 22.2796, 34.0392

Trichromacy



Original Color

19.8447, 22.2510, 60.3757

Protanomaly

20.6241, 21.5031, 56.4896

Deuteranomaly

20.8463, 21.7225, 60.8518

Tritanomaly

16.9713, 22.0283, 42.3871

Monochromacy



Original Color

19.8447, 22.2510, 60.3757

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.2258, 15.5425, 27.1139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8447, 22.2510, 60.3757 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, 137, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 137, 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(0, 137, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 137, 204) }
```

Border

The CSS property to change the border of an element to XYZ 19.8447, 22.2510, 60.3757 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, 137, 204) }
```


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

```
.border{ border-color:rgb(0, 137, 204) }
```

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

Here you see how a box with a 4 pixel rgb(0, 137, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 137, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 137, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 137,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8447, 22.2510, 60.3757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 137, 204) }
```

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

```
.background{ background-color: rgb(0, 137,  
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](#).

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