

Converting Colors

XYZ(21.9036, 25.2620, 62.9964)

Have a look what the booklet for
XYZ(21.9036, 25.2620, 62.9964)
contains.

XYZ(21.8506, 25.2222, 62.7482)	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(21.8506, 25.2222,
62.7482)**

Conversions

Conversions Part 1

Format	Color
Hex	1592CF
RGB	21, 146, 207
RGB Percent	8%, 57%, 81%
CMY	0.9175, 0.4274, 0.1882
CMYK	0.90, 0.29, 0.00, 0.19
HSL	200°, 82%, 45%
HSV	200°, 90%, 81%
XYZ	21.8506, 25.2222, 62.7482
YIQ	115.5790, -94.0810, -7.5290

Conversions

Conversions Part 2

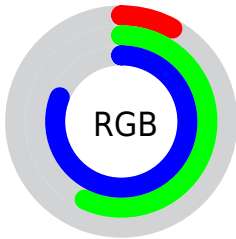
Format	Color
R_{YB}	21, 96, 207
Decimal	1413839
CIE _{Lab}	57.29, -9.61, -40.07
CIE _{LCh}	57, 41.207, 256.511
Yxy	25.2222, 0.1990, 0.2297
Android (android.graphics.Color)	4279603919 (0xFF1592CF)
YUV	115.5790, 45.0706, -82.9458
Hunter-Lab	50.2217, -10.2257, -38.9231

Details

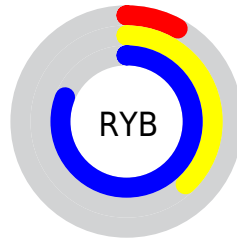
The XYZ color **21.8506, 25.2222, 62.7482** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **28.8871, 19.3581, 2.9247**, and the grayscale version is **16.3619, 17.2140, 18.7460**.

A 20% lighter version of the original color is **44.5300, 51.5318, 102.2074**, and **9.8504, 10.6327, 31.2389** is the 20% darker color. If you saturate the color by 10%, you get **20.5300, 23.0339, 62.3959**, and if you desaturate by 10%, it is **23.5634, 27.7057, 63.1378**.

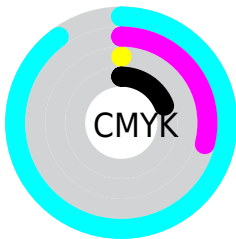
Distribution



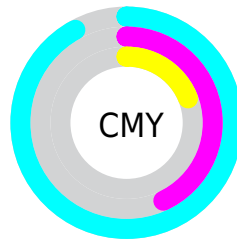
- Red (8%)
- Green (57%)
- Blue (81%)



- Red (8%)
- Yellow (38%)
- Blue (81%)



- Cyan (90%)
- Magenta (29%)
- Yellow (0%)
- Black (19%)



- Cyan (92%)
- Magenta (43%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8506, 25.2222, 62.7482 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 21.8506, 25.2222, 62.7482 by changing the saturation by 10% instead.

■ 21.8506, 25.2222,
62.7482

■ 21.8506, 25.2222,
62.7482

254.4121,
278.9427, 452.7378

■ 13.8632, 16.2427,
45.1978

■ 45.9796, 52.0175,
110.3882

■ 8.1066, 9.6960,
31.2692

■ 62.8519, 70.6020,
141.3150

■ 4.2156, 5.1979,
20.5437

■ 83.4166, 93.1570,
177.5376

■ 1.8248, 2.3638,
12.6029

■ 108.0389,
120.0669, 219.4747

■ 0.5326, 0.8072,
7.0282

■ 137.0843,
151.7160, 267.5447

■ 0.0000, 0.0000,
3.4010

170.9180,

■ 0.0000, 0.0000,

188.4887, 322.1662

1.3029

209.9055,
230.7695, 383.7577

■ 0.0000, 0.0000,
0.0641

■ 0.0000, 0.0000,
0.0000

■ 21.8506, 25.2222,
62.7482

■ 21.8506, 25.2222,
62.7482

■ 20.5300, 23.0339,
62.3959

■ 23.5634, 27.7057,
63.1378

■ 20.5105, 23.0008,
62.3906

■ 25.7743, 30.5395,
63.5683

■ 28.5446, 33.7571,
64.0433

■ 31.9256, 37.3862,
64.5656

■ 35.9621, 41.4516,
65.1376

■ 40.6946, 45.9754,
65.7613

■ 46.1601, 50.9781,
66.4389

■ 52.3929, 56.4789,
67.1721

■ 59.4250, 62.4954,
67.9628

Harmonies

Analogous

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



18.0790, 25.2222, 51.9296



21.8506, 25.2222, 62.7482



26.7390, 25.2222, 62.1143

Triad

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



21.8506, 25.2222, 62.7482



34.1389, 25.2222, 20.5131



17.7907, 25.2222, 12.8118

Complementary

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



21.8506, 25.2222, 62.7482



28.8871, 19.3581, 2.9247

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.



21.4045, 25.2222, 8.9181



21.8506, 25.2222, 62.7482



31.0261, 25.2222, 12.2187

Square

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



21.8506, 25.2222, 62.7482



34.3012, 25.2222, 34.2185



26.2285, 25.2222, 8.7460



15.9589, 25.2222, 21.6603

Rectangle

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



21.8506, 25.2222, 62.7482



29.9988, 25.2222, 55.2108



26.2285, 25.2222, 8.7460



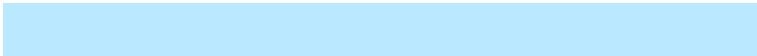
18.8134, 25.2222, 11.0341

Sweetspot

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



21.8515, 25.2230, 62.7488



67.3104, 75.6264, 105.6575



24.0678, 45.3637, 15.0611



13.7966, 15.6184, 22.5374



0.0000, 0.0000, 0.0000



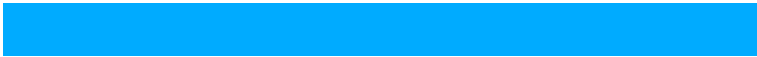
20.3446, 21.4041, 23.3091

Same Dimension

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



21.8515, 25.2230, 62.7488



32.6812, 36.4823, 99.9271



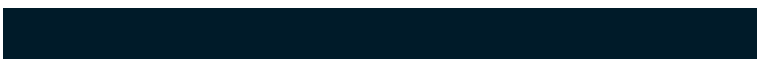
12.9444, 7.4087, 59.7798



11.8180, 12.7262, 15.0772



13.0120, 14.6705, 39.3384



0.7983, 0.9619, 2.2231

Inverse Universe

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



31.1894, 15.8782, 28.6157



48.6251, 24.2141, 40.8196



40.7934, 43.1706, 6.8935



12.1390, 11.9403, 14.0079



19.1986, 9.5523, 16.4837



1.1092, 0.5484, 1.1098

Previews

White Background



This preview shows how the XYZ color 21.8506, 25.2222, 62.7482 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 21.8506, 25.2222, 62.7482 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

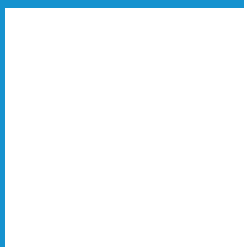
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8506, 25.2222, 62.7482

Background



This preview shows how black text looks on a background with the XYZ color 21.8506, 25.2222, 62.7482.

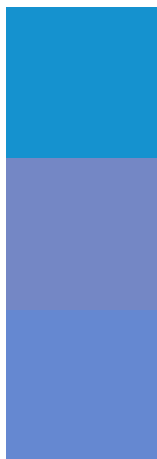


This preview shows how white text looks on a background with the XYZ color 21.8506, 25.2222,

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

21.8506, 25.2222, 62.7482

Protanopia

25.9445, 25.0722, 56.2953

Deuteranopia

25.6796, 24.9785, 63.7895



Tritanopia

17.8391, 25.1008, 38.5551

Trichromacy



Original Color

21.8506, 25.2222, 62.7482

Protanomaly

23.1686, 24.4316, 58.7530

Deuteranomaly

23.4357, 24.6880, 63.2046

Tritanomaly

19.1432, 25.1190, 46.4873

Monochromacy



Original Color

21.8506, 25.2222, 62.7482

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.4075, 19.0980, 31.2553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8506, 25.2222, 62.7482 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, 146, 207)` looks like.

```
.text, #text, p{  
    color:rgb(21, 146, 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, 146, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 146, 207) }
```

Border

The CSS property to change the border of an element to XYZ 21.8506, 25.2222, 62.7482 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, 146, 207) }
```


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

```
.border{ border-color:rgb(21, 146, 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, 146, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 146, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 146, 207);  
box-shadow:4px 4px 4px 4px rgb(21, 146,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8506, 25.2222, 62.7482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 146, 207) }
```

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

```
.background{ background-color: rgb(21, 146,  
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