

Converting Colors

XYZ(21.9989, 24.9480, 66.0611)

Have a look what the booklet for
XYZ(21.9989, 24.9480, 66.0611)
contains.

XYZ(22.0091, 25.0043, 65.9537)	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(22.0091, 25.0043,
65.9537)**

Conversions

Conversions Part 1

Format	Color
Hex	0091D4
RGB	0, 145, 212
RGB Percent	0%, 57%, 83%
CMY	0.9998, 0.4314, 0.1686
CMYK	1.00, 0.32, 0.00, 0.17
HSL	199°, 100%, 42%
HSV	199°, 100%, 83%
XYZ	22.0091, 25.0043, 65.9537
YIQ	109.2830, -107.9270, -9.9030

Conversions

Conversions Part 2

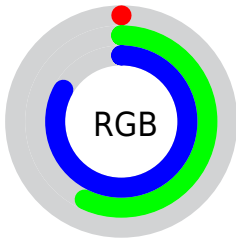
Format	Color
RYB	0, 86, 212
Decimal	37332
CIELab	57.08, -7.96, -43.22
CIELCh	57, 43.950, 259.564
Yxy	25.0043, 0.1948, 0.2213
Android (android.graphics.Color)	4278227412 (0xFF0091D4)
YUV	109.2830, 50.6395, -95.8412
Hunter-Lab	50.0043, -8.9418, -43.1982

Details

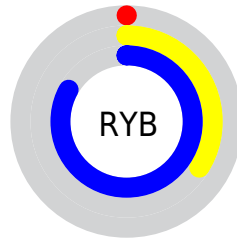
The XYZ color **22.0091, 25.0043, 65.9537** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **29.1621, 18.0177, 1.9422**, and the grayscale version is **14.5035, 15.2588, 16.6168**.

A 20% lighter version of the original color is **43.8403, 50.8335, 102.1090**, and **10.1780, 10.6187, 33.4115** is the 20% darker color. If you saturate the color by 10%, you get **22.0069, 24.9998, 65.9535**, and if you desaturate by 10%, it is **23.3785, 27.2759, 66.3205**.

Distribution



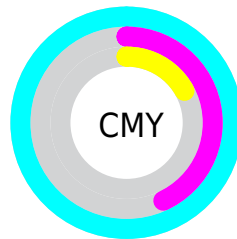
- Red (0%)
- Green (57%)
- Blue (83%)



- Red (0%)
- Yellow (34%)
- Blue (83%)



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (43%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0091, 25.0043, 65.9537 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 22.0091, 25.0043, 65.9537 by changing the saturation by 10% instead.

■ 22.0091, 25.0043,
65.9537

■ 22.0091, 25.0043,
65.9537

255.2253,
277.8594, 464.6110

■ 13.9802, 16.0803,
47.7786

■ 46.2398, 51.6642,
115.0462

■ 8.1885, 9.5810,
33.2928

■ 63.1723, 70.1688,
146.8007

■ 4.2686, 5.1220,
22.0779

■ 83.8034, 92.6358,
183.9188

■ 1.8552, 2.3190,
13.7153

■ 108.4985,
119.4495, 226.8189

■ 0.5506, 0.7838,
7.7864

■ 137.6228,
150.9943, 275.9196

■ 0.0000, 0.0000,
3.8728

171.5418,

■ 0.0000, 0.0000,

187.6546, 331.6395

1.5558

210.6209,
229.8148, 394.3971

■ 0.0000, 0.0000,
0.2590

■ 0.0000, 0.0000,
0.0000

■ 22.0091, 25.0043,
65.9537

■ 22.0091, 25.0043,
65.9537

■ 22.0069, 24.9998,
65.9535

■ 23.3785, 27.2759,
66.3205

■ 25.1532, 29.8473,
66.7233

■ 27.4499, 32.7805,
67.1684

■ 30.3326, 36.1098,
67.6591

■ 33.8557, 39.8647,
68.1982

■ 38.0669, 44.0712,
68.7882

■ 43.0089, 48.7525,
69.4313

■ 48.7210, 53.9303,
70.1297

■ 55.2394, 59.6245,
70.8852

Harmonies

Analogous

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



17.8801, 25.0043, 55.1758



22.0091, 25.0043, 65.9537



27.2549, 25.0043, 63.8596

Triad

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



22.0091, 25.0043, 65.9537



34.4255, 25.0043, 18.7564



16.9700, 25.0043, 12.6125

Complementary

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



22.0091, 25.0043, 65.9537



29.1621, 18.0177, 1.9422

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.



20.5880, 25.0043, 8.2373



22.0091, 25.0043, 65.9537



30.8194, 25.0043, 10.7888

Square

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



22.0091, 25.0043, 65.9537



34.9527, 25.0043, 32.7188



25.6137, 25.0043, 7.7196



15.2637, 25.0043, 22.3841

Rectangle

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



22.0091, 25.0043, 65.9537



30.6816, 25.0043, 55.6234



25.6137, 25.0043, 7.7196



17.9762, 25.0043, 10.6391

Sweetspot

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



22.0101, 25.0051, 65.9543



65.0499, 73.7940, 105.4229



24.4594, 47.4538, 12.6668



13.2125, 15.1295, 22.4739



0.0000, 0.0000, 0.0000



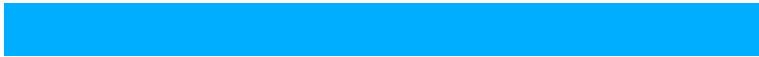
20.3446, 21.4041, 23.3091

Same Dimension

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



22.0101, 25.0051, 65.9543



33.2619, 37.6438, 100.1206



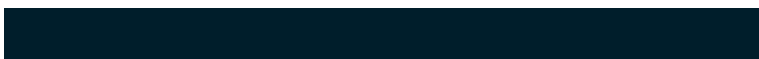
12.7281, 6.4413, 62.8604



12.4457, 13.4149, 15.8709



13.6794, 15.6205, 40.7472



0.8979, 1.0878, 2.4819

Inverse Universe

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



32.2631, 16.0427, 28.1848



48.9183, 24.3313, 42.3631



41.4538, 42.6011, 6.0395



12.7782, 12.5628, 14.7722



19.9636, 9.9217, 17.6440



1.2409, 0.6131, 1.2577

Previews

White Background



This preview shows how the XYZ color 22.0091, 25.0043, 65.9537 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 22.0091, 25.0043, 65.9537 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 22.0091, 25.0043, 65.9537

Background



This preview shows how black text looks on a background with the XYZ color 22.0091, 25.0043, 65.9537.

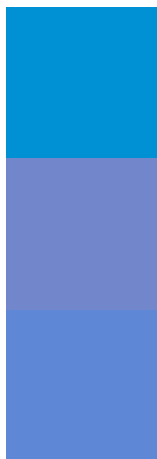


This preview shows how white text looks on a background with the XYZ color 22.0091, 25.0043,

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

22.0091, 25.0043, 65.9537

Protanopia

26.1146, 24.8727, 59.9244

Deuteranopia

25.5579, 24.8430, 67.0665



Tritanopia

17.8391, 25.1008, 38.5551

Trichromacy



Original Color

22.0091, 25.0043, 65.9537

Protanomaly

22.9015, 24.0109, 61.8200

Deuteranomaly

23.1063, 24.2300, 66.4098

Tritanomaly

19.0879, 24.8311, 47.5029

Monochromacy



Original Color

22.0091, 25.0043, 65.9537

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.6021, 17.2596, 29.7560

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0091, 25.0043, 65.9537 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, 145, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 145, 212)  
}
```

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, 145, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 145, 212) }
```

Border

The CSS property to change the border of an element to XYZ 22.0091, 25.0043, 65.9537 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, 145, 212) }
```


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

```
.border{ border-color:rgb(0, 145, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 145, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 145, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 145, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 145,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0091, 25.0043, 65.9537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 145, 212) }
```

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

```
.background{ background-color: rgb(0, 145,  
212) }
```

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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