

Converting Colors

XYZ(6.5117, 16.9397, 67.9636)

Have a look what the booklet for
XYZ(6.5117, 16.9397, 67.9636)
contains.

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Color

**XYZ(22.5201, 25.2087,
68.6446)**

Conversions

Conversions Part 1

Format	Color
Hex	0091D8
RGB	0, 145, 216
RGB Percent	0%, 57%, 85%
CMY	0.9998, 0.4314, 0.1529
CMYK	1.00, 0.33, 0.00, 0.15
HSL	200°, 100%, 42%
HSV	200°, 100%, 85%
XYZ	22.5201, 25.2087, 68.6446
YIQ	109.7390, -109.2110, -8.6590

Conversions

Conversions Part 2

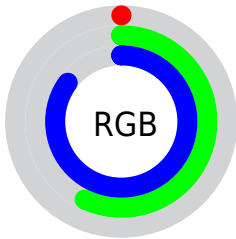
Format	Color
RYB	0, 87, 216
Decimal	37336
CIELab	57.28, -6.46, -45.15
CIELCh	57, 45.611, 261.859
Yxy	25.2087, 0.1935, 0.2166
Android (android.graphics.Color)	4278227416 (0xFF0091D8)
YUV	109.7390, 52.3867, -96.2411
Hunter-Lab	50.2083, -7.8012, -45.9153

Details

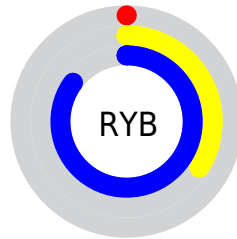
The XYZ color **22.5201, 25.2087, 68.6446** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **30.5760, 19.1124, 2.0791**, and the grayscale version is **14.6285, 15.3904, 16.7601**.

A 20% lighter version of the original color is **43.9529, 50.8916, 102.1142**, and **10.5252, 10.7576, 35.2399** is the 20% darker color. If you saturate the color by 10%, you get **22.5177, 25.2038, 68.6443**, and if you desaturate by 10%, it is **23.9631, 27.6146, 69.0335**.

Distribution



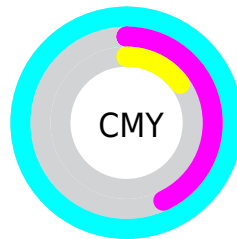
- Red (0%)
- Green (57%)
- Blue (85%)



- Red (0%)
- Yellow (34%)
- Blue (85%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (43%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5201, 25.2087, 68.6446 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 22.5201, 25.2087, 68.6446 by changing the saturation by 10% instead.

■ 22.5201, 25.2087,
68.6446

■ 22.5201, 25.2087,
68.6446

257.8321,
278.8757, 474.4364

■ 14.3583, 16.2326,
49.9524

■ 47.0766, 51.9956,
118.9367

■ 8.4537, 9.6889,
35.0046

■ 64.2020, 70.5752,
151.3737

■ 4.4408, 5.1932,
23.3829

■ 85.0460, 93.1247,
189.2294

■ 1.9544, 2.3611,
14.6685

■ 109.9739,
120.0286, 232.9222

■ 0.6082, 0.8057,
8.4430

■ 139.3511,
151.6713, 282.8708

■ 0.0000, 0.0000,
4.2879

173.5430,

■ 0.0000, 0.0000,

188.4371, 339.4937

1.7846

212.9149,
230.7104, 403.2094

■ 0.0000, 0.0000,
0.4178

■ 0.0000, 0.0000,
0.0000

■ 22.5201, 25.2087,
68.6446

■ 22.5201, 25.2087,
68.6446

■ 22.5177, 25.2038,
68.6443

■ 23.9631, 27.6146,
69.0335

■ 25.8351, 30.3438,
69.4616

■ 28.2571, 33.4608,
69.9356

■ 31.2964, 37.0019,
70.4589

■ 35.0101, 40.9982,
71.0345

■ 39.4481, 45.4772,
71.6652

■ 44.6554, 50.4634,
72.3531

■ 50.6733, 55.9799,
73.1007

■ 57.5397, 62.0475,
73.9100

Harmonies

Analogous

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



18.1043, 25.2087, 58.0946



22.5201, 25.2087, 68.6446



28.0363, 25.2087, 65.3140

Triad

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



22.5201, 25.2087, 68.6446



34.9424, 25.2087, 17.8010



16.6885, 25.2087, 12.8778

Complementary

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



22.5201, 25.2087, 68.6446



30.5760, 19.1124, 2.0791

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.



20.2995, 25.2087, 8.0699



22.5201, 25.2087, 68.6446



30.9594, 25.2087, 10.0780

Square

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



22.5201, 25.2087, 68.6446



35.7741, 25.2087, 31.8764



25.4602, 25.2087, 7.2844



15.0838, 25.2087, 23.4499

Rectangle

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



22.5201, 25.2087, 68.6446



31.5754, 25.2087, 56.0748



25.4602, 25.2087, 7.2844



17.6797, 25.2087, 10.7272

Sweetspot

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



22.5211, 25.2095, 68.6453



64.7796, 73.2534, 105.3328



25.6135, 49.5352, 13.7503



13.1478, 15.0001, 22.4523



0.0000, 0.0000, 0.0000



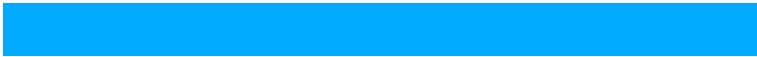
20.3446, 21.4041, 23.3091

Same Dimension

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



22.5211, 25.2095, 68.6453



32.6433, 36.4066, 99.9144



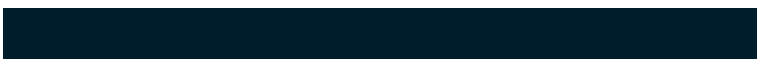
13.1423, 6.4519, 65.5190



12.4321, 13.3877, 15.8664



13.4304, 15.1227, 40.6643



0.8843, 1.0605, 2.4774

Inverse Universe

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



33.4307, 16.6446, 28.2394



48.6060, 24.2064, 40.7190



43.9254, 45.8111, 6.5288



12.7713, 12.5600, 14.7360



19.8379, 9.8715, 16.9824



1.2340, 0.6104, 1.2215

Previews

White Background



This preview shows how the XYZ color 22.5201, 25.2087, 68.6446 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 22.5201, 25.2087, 68.6446 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 22.5201, 25.2087, 68.6446

Background



This preview shows how black text looks on a background with the XYZ color 22.5201, 25.2087, 68.6446.

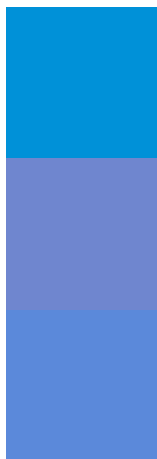


This preview shows how white text looks on a background with the XYZ color 22.5201, 25.2087,

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

22.5201, 25.2087, 68.6446

Protanopia

26.3431, 24.9347, 62.4559

Deuteranopia

25.9149, 25.1774, 69.8235



Tritanopia

17.8391, 25.1008, 38.5551

Trichromacy



Original Color

22.5201, 25.2087, 68.6446

Protanomaly

23.3199, 24.1697, 64.4089

Deuteranomaly

23.6474, 24.6655, 69.1602

Tritanomaly

19.1909, 24.8723, 48.0453

Monochromacy



Original Color

22.5201, 25.2087, 68.6446

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.0336, 17.6379, 31.0459

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5201, 25.2087, 68.6446 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, 216)` looks like.

```
.text, #text, p{  
    color:rgb(0, 145, 216)  
}
```

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, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 145, 216) }
```

Border

The CSS property to change the border of an element to XYZ 22.5201, 25.2087, 68.6446 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, 216) }
```


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

```
.border{ border-color:rgb(0, 145, 216) }
```

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, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 145, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 145, 216);  
box-shadow:4px 4px 4px 4px rgb(0, 145,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5201, 25.2087, 68.6446 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, 216) }
```

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

```
.background{ background-color: rgb(0, 145,  
216) }
```

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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