

Converting Colors

XYZ(23.0007, 25.7458, 68.7300)

Have a look what the booklet for
XYZ(23.0007, 25.7458, 68.7300)
contains.

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Color

**XYZ(22.9620, 25.6644,
68.7092)**

Conversions

Conversions Part 1

Format	Color
Hex	1492D8
RGB	20, 146, 216
RGB Percent	8%, 57%, 85%
CMY	0.9215, 0.4274, 0.1529
CMYK	0.91, 0.32, 0.00, 0.15
HSL	201°, 83%, 46%
HSV	201°, 91%, 85%
XYZ	22.9620, 25.6644, 68.7092
YIQ	116.3060, -97.5660, -4.9420

Conversions

Conversions Part 2

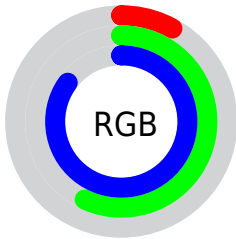
Format	Color
R _Y B	20, 97, 216
Decimal	1348312
CIE Lab	57.72, -6.34, -44.45
CIE LCh	58, 44.898, 261.882
Yxy	25.6644, 0.1957, 0.2187
Android (android.graphics.Color)	4279538392 (0xFF1492D8)
YUV	116.3060, 49.1491, -84.4604
Hunter-Lab	50.6600, -7.7488, -44.9518

Details

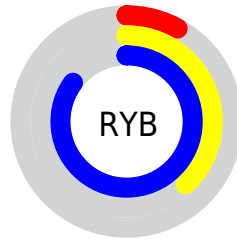
The XYZ color **22.9620, 25.6644, 68.7092** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **32.1041, 21.9666, 3.2110**, and the grayscale version is **16.5725, 17.4356, 18.9874**.

A 20% lighter version of the original color is **44.6481, 51.5927, 102.2129**, and **10.6159, 10.9390, 35.2701** is the 20% darker color. If you saturate the color by 10%, you get **21.6054, 23.3791, 68.3402**, and if you desaturate by 10%, it is **24.8434, 28.4602, 69.1502**.

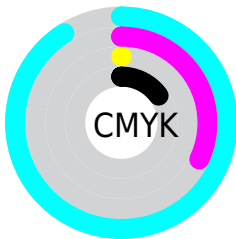
Distribution



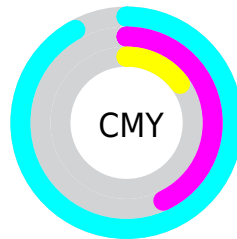
- Red (8%)
- Green (57%)
- Blue (85%)



- Red (8%)
- Yellow (38%)
- Blue (85%)



- Cyan (91%)
- Magenta (32%)
- Yellow (0%)
- Black (15%)



- Cyan (92%)
- Magenta (43%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9620, 25.6644, 68.7092 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 22.9620, 25.6644, 68.7092 by changing the saturation by 10% instead.

■ 22.9620, 25.6644,
68.7092

■ 22.9620, 25.6644,
68.7092

260.0687,
281.1307, 474.6708

■ 14.6860, 16.5727,
50.0046

■ 47.7980, 52.7330,
119.0299

■ 8.6842, 9.9303,
35.0459

■ 65.0888, 71.4788,
151.4832

■ 4.5912, 5.3528,
23.4144

■ 86.1151, 94.2114,
189.3564

■ 2.0417, 2.4557,
14.6916

■ 111.2425,
121.3153, 233.0681

■ 0.6572, 0.8543,
8.4590

■ 140.8362,
153.1747, 283.0368

■ 0.0000, 0.0000,
4.2981

175.2615,

■ 0.0000, 0.0000,

190.1742, 339.6812

1.7903

214.8839,
232.6981, 403.4196

■ 0.0000, 0.0000,
0.4215

■ 0.0000, 0.0000,
0.0000

■ 22.9620, 25.6644,
68.7092

■ 22.9620, 25.6644,
68.7092

■ 21.6054, 23.3791,
68.3402

■ 24.8434, 28.4602,
69.1502

■ 27.2798, 31.6633,
69.6401

■ 30.3410, 35.3121,
70.1830

■ 34.0848, 39.4385,
70.7822

■ 38.5620, 44.0710,
71.4404

■ 43.8184, 49.2350,
72.1601

■ 49.8955, 54.9541,
72.9437

■ 56.8321, 61.2502,
73.7933

■ 64.6641, 68.1436,
74.7111

Harmonies

Analogous

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



18.5509, 25.6644, 58.3177



22.9620, 25.6644, 68.7092



28.4536, 25.6644, 65.4170

Triad

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



22.9620, 25.6644, 68.7092



35.3018, 25.6644, 18.2965



17.1289, 25.6644, 13.3603

Complementary

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



22.9620, 25.6644, 68.7092



32.1041, 21.9666, 3.2110

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.



20.7388, 25.6644, 8.4876



22.9620, 25.6644, 68.7092



31.3491, 25.6644, 10.5208

Square

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



22.9620, 25.6644, 68.7092



36.1287, 25.6644, 32.3381



25.8828, 25.6644, 7.6844



15.5217, 25.6644, 23.9674

Rectangle

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



22.9620, 25.6644, 68.7092



31.9681, 25.6644, 56.2996



25.8828, 25.6644, 7.6844



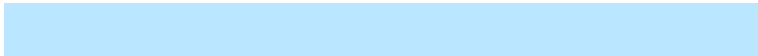
18.1208, 25.6644, 11.1863

Sweetspot

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



22.9630, 25.6652, 68.7099



66.7465, 74.4987, 105.4695



26.6323, 49.9760, 17.6101



13.6629, 15.3511, 22.4929



0.0000, 0.0000, 0.0000



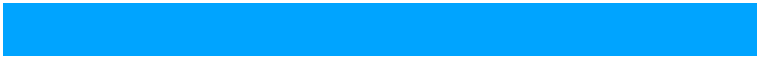
20.3446, 21.4041, 23.3091

Same Dimension

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



22.9630, 25.6652, 68.7099



31.3106, 33.7412, 99.4702



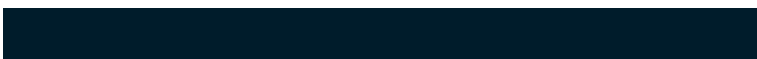
13.8000, 7.3392, 65.6555



12.4017, 13.3268, 15.8562



12.8934, 14.0486, 40.4852



0.8546, 1.0012, 2.4675

Inverse Universe

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



33.7582, 17.1757, 28.7308



47.9334, 23.9373, 37.1767



46.1323, 50.0229, 7.8871



12.7560, 12.5539, 14.6552



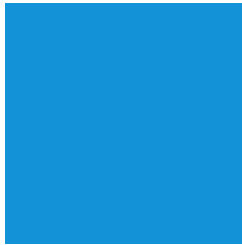
19.5668, 9.7631, 15.5550



1.2190, 0.6044, 1.1426

Previews

White Background



This preview shows how the XYZ color 22.9620, 25.6644, 68.7092 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 22.9620, 25.6644, 68.7092 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

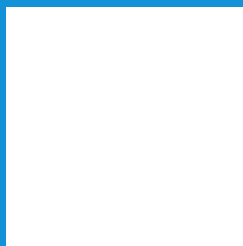
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.9620, 25.6644, 68.7092

Background



This preview shows how black text looks on a background with the XYZ color 22.9620, 25.6644, 68.7092.

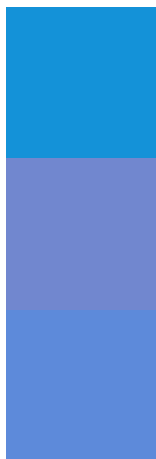


This preview shows how white text looks on a background with the XYZ color 22.9620, 25.6644,

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

22.9620, 25.6644, 68.7092

Protanopia

26.7365, 25.3437, 62.5141

Deuteranopia

26.2576, 25.5661, 69.8805



Tritanopia

18.0921, 25.4628, 39.0832

Trichromacy



Original Color

22.9620, 25.6644, 68.7092

Protanomaly

24.0899, 24.7806, 64.4862

Deuteranomaly

24.2960, 25.2178, 69.2326

Tritanomaly

19.5412, 25.2768, 48.6487

Monochromacy



Original Color

22.9620, 25.6644, 68.7092

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.6502, 19.1951, 32.5332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9620, 25.6644, 68.7092 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(20, 146, 216)` looks like.

```
.text, #text, p{  
    color:rgb(20, 146, 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(20, 146, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 146, 216) }
```

Border

The CSS property to change the border of an element to XYZ 22.9620, 25.6644, 68.7092 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(20, 146, 216) }
```


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

```
.border{ border-color:rgb(20, 146, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 146, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 146, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 146, 216);  
box-shadow:4px 4px 4px 4px rgb(20, 146,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9620, 25.6644, 68.7092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 146, 216) }
```

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

```
.background{ background-color: rgb(20, 146,  
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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