

Converting Colors

XYZ(22.8867, 25.5289, 64.3629)

Have a look what the booklet for
XYZ(22.8867, 25.5289, 64.3629)
contains.

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Color

**XYZ(22.8063, 25.4586,
64.0336)**

Conversions

Conversions Part 1

Format	Color
Hex	2F91D1
RGB	47, 145, 209
RGB Percent	18%, 57%, 82%
CMY	0.8156, 0.4314, 0.1804
CMYK	0.78, 0.31, 0.00, 0.18
HSL	204°, 64%, 50%
HSV	204°, 78%, 82%
XYZ	22.8063, 25.4586, 64.0336
YIQ	122.9940, -78.9520, -0.8720

Conversions

Conversions Part 2

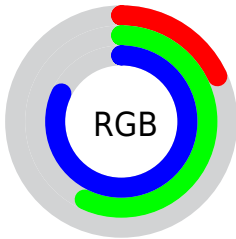
Format	Color
R_{YB}	47, 108, 209
Decimal	3117521
CIE _{Lab}	57.52, -6.19, -40.81
CIE _{LCh}	58, 41.273, 261.369
Yxy	25.4586, 0.2031, 0.2267
Android (android.graphics.Color)	4281307601 (0xFF2F91D1)
YUV	122.9940, 42.4010, -66.6467
Hunter-Lab	50.4565, -7.6171, -39.9245

Details

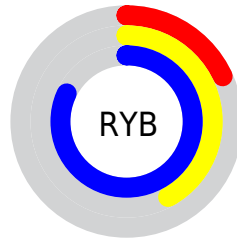
The XYZ color **22.8063, 25.4586, 64.0336** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **32.4938, 25.1321, 5.8290**, and the grayscale version is **18.7096, 19.6839, 21.4358**.

A 20% lighter version of the original color is **45.6759, 51.7799, 102.1949**, and **9.9249, 10.5175, 32.0788** is the 20% darker color. If you saturate the color by 10%, you get **20.8470, 22.6433, 63.5940**, and if you desaturate by 10%, it is **25.3202, 28.6966, 64.5266**.

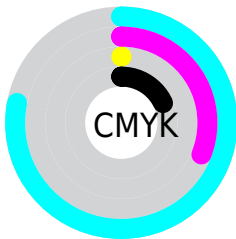
Distribution



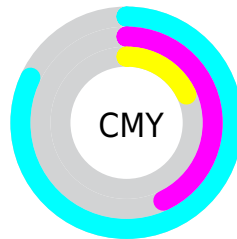
- Red (18%)
- Green (57%)
- Blue (82%)



- Red (18%)
- Yellow (42%)
- Blue (82%)



- Cyan (78%)
- Magenta (31%)
- Yellow (0%)
- Black (18%)



- Cyan (82%)
- Magenta (43%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8063, 25.4586, 64.0336 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 22.8063, 25.4586, 64.0336 by changing the saturation by 10% instead.

■ 22.8063, 25.4586,
64.0336

■ 22.8063, 25.4586,
64.0336

259.2825,
280.1142, 457.5218

■ 14.5705, 16.4191,
46.2315

■ 47.5441, 52.4002,
112.2593

■ 8.6028, 9.8212,
32.0786

■ 64.7767, 71.0711,
143.5199

■ 4.5381, 5.2806,
21.1562

■ 85.7390, 93.7212,
180.1039

■ 2.0108, 2.4128,
13.0459

■ 110.7963,
120.7350, 222.4296

■ 0.6400, 0.8325,
7.3290

■ 140.3139,
152.4968, 270.9158

■ 0.0000, 0.0000,
3.5872

174.6573,

■ 0.0000, 0.0000,

189.3909, 325.9808

1.4017

214.1917,
231.8019, 388.0433

■ 0.0000, 0.0000,
0.1431

■ 0.0000, 0.0000,
0.0000

■ 22.8063, 25.4586,
64.0336

■ 22.8063, 25.4586,
64.0336

■ 20.8470, 22.6433,
63.5940

■ 25.3202, 28.6966,
64.5266

■ 19.3568, 20.2029,
63.2015

■ 28.4459, 32.3887,
65.0745

■ 19.0244, 19.6349,
63.1094

■ 32.2358, 36.5647,
65.6808

■ 36.7355, 41.2510,
66.3482

■ 41.9863, 46.4713,
67.0791

■ 48.0262, 52.2478,
67.8757

■ 54.8903, 58.6009,
68.7402

■ 62.6117, 65.5501,
69.6746

■ 71.2214, 73.1137,
70.6807

Harmonies

Analogous

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



18.7620, 25.4586, 54.7089



22.8063, 25.4586, 64.0336



27.8087, 25.4586, 61.3549

Triad

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



22.8063, 25.4586, 64.0336



34.1134, 25.4586, 18.9781



17.5378, 25.4586, 14.0190

Complementary

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



22.8063, 25.4586, 64.0336



32.4938, 25.1321, 5.8290

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.



20.9135, 25.4586, 9.3773



22.8063, 25.4586, 64.0336



30.5932, 25.4586, 11.4918

Square

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



22.8063, 25.4586, 64.0336



34.8005, 25.4586, 31.9855



25.6444, 25.4586, 8.6425



16.0021, 25.4586, 23.8518

Rectangle

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



22.8063, 25.4586, 64.0336



30.9996, 25.4586, 53.4109



25.6444, 25.4586, 8.6425



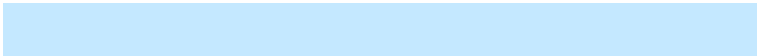
18.4715, 25.4586, 11.9604

Sweetspot

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



22.8073, 25.4594, 64.0342



69.7144, 76.6194, 105.7224



26.7397, 47.3124, 22.2214



14.2065, 15.7091, 22.5333



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.



22.8073, 25.4594, 64.0342



31.0950, 32.9439, 99.3277



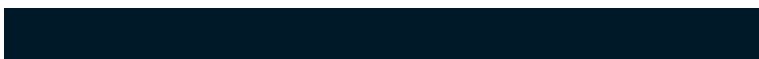
14.6246, 9.0942, 61.3067



11.7501, 12.5904, 15.0546



11.8283, 12.3033, 38.9438



0.7376, 0.8404, 2.2029

Inverse Universe

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



32.4227, 17.6338, 28.4836



47.9139, 24.2718, 36.0193



45.2437, 50.6320, 10.0790



12.1047, 11.9266, 13.8274



18.6011, 9.3133, 13.3376



1.0785, 0.5361, 0.9484

Previews

White Background



This preview shows how the XYZ color 22.8063, 25.4586, 64.0336 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 22.8063, 25.4586, 64.0336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

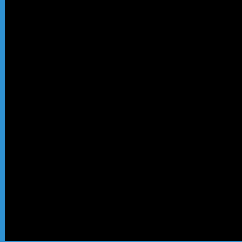
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.8063, 25.4586, 64.0336

Background



This preview shows how black text looks on a background with the XYZ color 22.8063, 25.4586, 64.0336.



This preview shows how white text looks on a background with the XYZ color 22.8063, 25.4586,

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

22.8063, 25.4586, 64.0336

Protanopia

26.4090, 25.2580, 58.7417

Deuteranopia

25.9591, 25.3038, 65.1439

Trichromacy



Original Color

22.8063, 25.4586, 64.0336

Protanomaly

24.4461, 25.0490, 60.6732

Deuteranomaly

24.4043, 25.1586, 64.5426

Monochromacy



Original Color

22.8063, 25.4586, 64.0336

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.6683, 20.9986, 33.6411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8063, 25.4586, 64.0336 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(47, 145, 209)` looks like.

```
.text, #text, p{  
    color:rgb(47, 145, 209)  
}
```

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(47, 145, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 145, 209) }
```

Border

The CSS property to change the border of an element to XYZ 22.8063, 25.4586, 64.0336 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(47, 145, 209) }
```

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

```
.border{ border-color:rgb(47, 145, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 145, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 145, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 145, 209);  
box-shadow:4px 4px 4px 4px rgb(47, 145,  
209) }
```


Background

The CSS property to change the background color of an element to XYZ 22.8063, 25.4586, 64.0336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 145, 209) }
```

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

```
.background{ background-color: rgb(47, 145,  
209) }
```

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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