

Converting Colors

XYZ(20.4436, 24.3925, 57.0568)

Have a look what the booklet for
XYZ(20.4436, 24.3925, 57.0568)
contains.

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Color

**XYZ(20.4436, 24.3925,
57.0568)**

Conversions

Conversions Part 1

Format	Color
Hex	0A91C6
RGB	10, 145, 198
RGB Percent	4%, 57%, 78%
CMY	0.9606, 0.4314, 0.2235
CMYK	0.95, 0.27, 0.00, 0.22
HSL	197°, 90%, 41%
HSV	197°, 95%, 78%
XYZ	20.4436, 24.3925, 57.0568
YIQ	110.6770, -97.4730, -12.1370

Conversions

Conversions Part 2

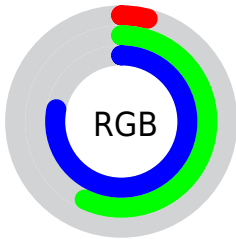
Format	Color
R_{YB}	10, 89, 198
Decimal	692678
CIE _{Lab}	56.48, -12.83, -36.28
CIE _{LCh}	56, 38.481, 250.524
Yxy	24.3925, 0.2006, 0.2394
Android (android.graphics.Color)	4278882758 (0xFF0A91C6)
YUV	110.6770, 43.0502, -88.2937
Hunter-Lab	49.3888, -12.5434, -33.9232

Details

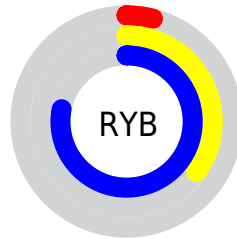
The XYZ color **20.4436, 24.3925, 57.0568** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **25.1238, 15.5877, 1.9730**, and the grayscale version is **14.9197, 15.6967, 17.0937**.

A 20% lighter version of the original color is **43.7290, 50.7762, 102.1038**, and **9.1263, 10.1980, 27.8730** is the 20% darker color. If you saturate the color by 10%, you get **19.8914, 23.4737, 56.9091**, and if you desaturate by 10%, it is **21.7239, 26.3507, 57.3678**.

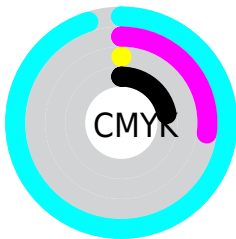
Distribution



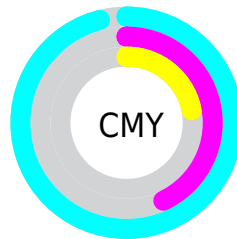
- Red (4%)
- Green (57%)
- Blue (78%)



- Red (4%)
- Yellow (35%)
- Blue (78%)



- Cyan (95%)
- Magenta (27%)
- Yellow (0%)
- Black (22%)



- Cyan (96%)
- Magenta (43%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4436, 24.3925, 57.0568 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 20.4436, 24.3925, 57.0568 by changing the saturation by 10% instead.

■ 20.4436, 24.3925,
57.0568

■ 20.4436, 24.3925,
57.0568

247.0946,
274.7989, 431.1618

■ 12.8280, 15.6250,
40.6412

■ 43.6580, 50.6699,
102.0492

■ 7.3864, 9.2592,
27.7212

■ 59.9875, 68.9487,
131.4631

■ 3.7534, 4.9106,
17.8784

■ 79.9524, 91.1667,
166.0468

■ 1.5636, 2.1949,
10.6942

■ 103.9179,
117.7083, 206.2189

■ 0.3685, 0.7172,
5.7500

■ 132.2496,
148.9580, 252.3979

■ 0.0000, 0.0000,
2.6274

165.3127,

■ 0.0000, 0.0000,

185.3000, 305.0024

0.9065

203.4726,
227.1188, 364.4508

■ 0.0000, 0.0000,
0.0000

■ 20.4436, 24.3925,
57.0568

■ 20.4436, 24.3925,
57.0568

■ 19.8914, 23.4737,
56.9091

■ 21.7239, 26.3507,
57.3678

■ 23.4077, 28.5796,
57.7093

■ 25.5555, 31.1118,
58.0848

■ 28.2164, 33.9732,
58.4969

■ 31.4330, 37.1867,
58.9476

■ 35.2429, 40.7725,
59.4390

■ 39.6806, 44.7491,
59.9726

■ 44.7777, 49.1336,
60.5503

■ 50.5636, 53.9420,
61.1734

Harmonies

Analogous

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



17.2628, 24.3925, 45.9045



20.4436, 24.3925, 57.0568



24.7846, 24.3925, 58.7231

Triad

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



20.4436, 24.3925, 57.0568



32.6687, 24.3925, 22.3253



18.0513, 24.3925, 11.9337

Complementary

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



20.4436, 24.3925, 57.0568



25.1238, 15.5877, 1.9730

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.



21.6545, 24.3925, 9.0025



20.4436, 24.3925, 57.0568



30.3254, 24.3925, 13.5939

Square

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



20.4436, 24.3925, 57.0568



32.2356, 24.3925, 35.6086



26.1597, 24.3925, 9.4931



16.0090, 24.3925, 19.1898

Rectangle

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



20.4436, 24.3925, 57.0568



27.8135, 24.3925, 53.7972



26.1597, 24.3925, 9.4931



19.0996, 24.3925, 10.5344

Sweetspot

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



20.4445, 24.3933, 57.0574



67.3917, 76.7015, 105.8607



21.1400, 40.7814, 11.0554



13.6953, 15.7617, 22.5704



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.



20.4445, 24.3933, 57.0574



35.0033, 41.1266, 100.7011



11.6334, 6.7711, 54.1204



10.6842, 11.5425, 13.5823



13.0113, 15.4164, 37.0343



0.6752, 0.8482, 1.7733

Inverse Universe

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



28.5089, 14.2683, 28.0401



49.7973, 24.6829, 46.9919



34.9234, 35.1867, 5.2395



10.9506, 10.7636, 12.7233



18.3668, 9.0963, 17.6734



0.8995, 0.4426, 0.9940

Previews

White Background



This preview shows how the XYZ color 20.4436, 24.3925, 57.0568 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 20.4436, 24.3925, 57.0568 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

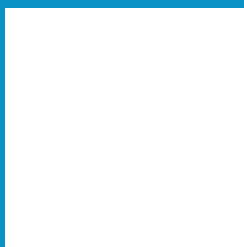
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4436, 24.3925, 57.0568

Background



This preview shows how black text looks on a background with the XYZ color 20.4436, 24.3925, 57.0568.

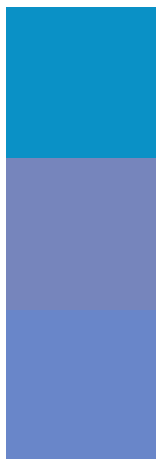


This preview shows how white text looks on a background with the XYZ color 20.4436, 24.3925,

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

20.4436, 24.3925, 57.0568

Protanopia

24.9358, 24.2574, 50.9448

Deuteranopia

24.8934, 24.2705, 58.6310



Tritanopia

17.3394, 24.3859, 37.5113

Trichromacy



Original Color

20.4436, 24.3925, 57.0568

Protanomaly

21.6845, 23.3594, 53.2351

Deuteranomaly

22.0396, 23.6492, 58.0467

Tritanomaly

18.2800, 24.2616, 43.7639

Monochromacy



Original Color

20.4436, 24.3925, 57.0568

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.8649, 17.6049, 28.6012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4436, 24.3925, 57.0568 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(10, 145, 198)` looks like.

```
.text, #text, p{  
    color:rgb(10, 145, 198)  
}
```

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(10, 145, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 145, 198) }
```

Border

The CSS property to change the border of an element to XYZ 20.4436, 24.3925, 57.0568 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(10, 145, 198) }
```


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

```
.border{ border-color:rgb(10, 145, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 145, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(10, 145, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(10, 145, 198); box-shadow:4px 4px 4px 4px rgb(10, 145, 198) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4436, 24.3925, 57.0568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 145, 198) }
```

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

```
.background{ background-color: rgb(10, 145,  
198) }
```

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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