

Converting Colors

XYZ(24.1833, 26.4068, 72.7572)

Have a look what the booklet for
XYZ(24.1833, 26.4068, 72.7572)
contains.

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Color

**XYZ(24.2457, 26.4647,
72.9376)**

Conversions

Conversions Part 1

Format	Color
Hex	2193DE
RGB	33, 147, 222
RGB Percent	13%, 58%, 87%
CMY	0.8705, 0.4235, 0.1294
CMYK	0.85, 0.34, 0.00, 0.13
HSL	204°, 74%, 50%
HSV	204°, 85%, 87%
XYZ	24.2457, 26.4647, 72.9376
YIQ	121.4640, -92.0190, -0.8430

Conversions

Conversions Part 2

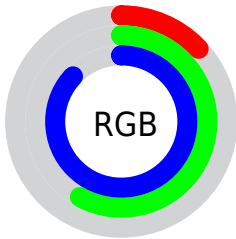
Format	Color
R _Y B	33, 104, 222
Decimal	2200542
CIE Lab	58.48, -3.91, -46.59
CIE LCh	58, 46.753, 265.202
Yxy	26.4647, 0.1961, 0.2140
Android (android.graphics.Color)	4280390622 (0xFF2193DE)
YUV	121.4640, 49.5642, -77.5829
Hunter-Lab	51.4439, -5.8990, -48.0512

Details

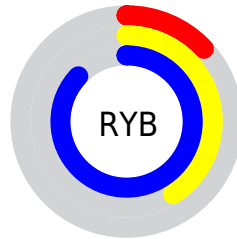
The XYZ color **24.2457, 26.4647, 72.9376** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **35.7638, 26.3688, 4.6450**, and the grayscale version is **18.1921, 19.1395, 20.8429**.

A 20% lighter version of the original color is **45.6187, 52.4380, 102.3249**, and **11.1576, 11.3026, 37.6699** is the 20% darker color. If you saturate the color by 10%, you get **22.4365, 23.5758, 72.4759**, and if you desaturate by 10%, it is **26.6295, 29.8063, 73.4575**.

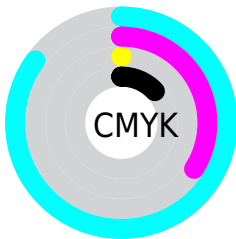
Distribution



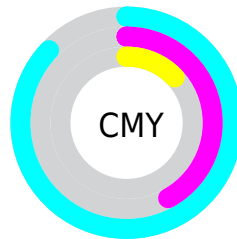
- Red (13%)
- Green (58%)
- Blue (87%)



- Red (13%)
- Yellow (41%)
- Blue (87%)



- Cyan (85%)
- Magenta (34%)
- Yellow (0%)
- Black (13%)



- Cyan (87%)
- Magenta (42%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2457, 26.4647, 72.9376 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 24.2457, 26.4647, 72.9376 by changing the saturation by 10% instead.

■ 24.2457, 26.4647,
72.9376

■ 24.2457, 26.4647,
72.9376

266.4778,
285.0559, 489.8635

■ 15.6417, 17.1716,
53.4334

■ 49.8826, 54.0237,
125.1087

■ 9.3602, 10.3569,
37.7588

■ 67.6462, 73.0584,
158.6127

■ 5.0359, 5.6362,
25.4952

■ 89.1938, 96.1090,
197.6205

■ 2.3033, 2.6252,
16.2240

■ 114.8906,
123.5600, 242.5504

■ 0.7963, 0.9393,
9.5267

■ 145.1021,
155.7959, 293.8212

■ 0.0000, 0.0000,
4.9848

180.1935,

■ 0.0000, 0.0000,

193.2008, 351.8512

2.1798

220.5303,
236.1594, 417.0592

■ 0.0000, 0.0000,
0.6627

■ 0.0000, 0.0000,
0.0000

■ 24.2457, 26.4647,
72.9376

■ 24.2457, 26.4647,
72.9376

■ 22.4365, 23.5758,
72.4759

■ 26.6295, 29.8063,
73.4575

■ 21.6958, 22.2958,
72.2679

■ 29.6666, 33.6435,
74.0381

■ 33.4252, 38.0150,
74.6838

■ 37.9633, 42.9540,
75.3979

■ 43.3325, 48.4900,
76.1835

■ 49.5798, 54.6503,
77.0433

■ 56.7483, 61.4600,
77.9799

■ 64.8782, 68.9427,
78.9957

■ 74.0073, 77.1206,
80.0930

Harmonies

Analogous

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



19.3886, 26.4647, 63.1604



24.2457, 26.4647, 72.9376



30.1299, 26.4647, 67.7082

Triad

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



24.2457, 26.4647, 72.9376



36.4662, 26.4647, 17.3836



17.1653, 26.4647, 14.3267

Complementary

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



24.2457, 26.4647, 72.9376



35.7638, 26.3688, 4.6450

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.



20.7584, 26.4647, 8.6881



24.2457, 26.4647, 72.9376



31.9618, 26.4647, 9.9266

Square

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



24.2457, 26.4647, 72.9376



37.7722, 26.4647, 31.5295



26.0845, 26.4647, 7.4541



15.7146, 26.4647, 26.2620

Rectangle

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



24.2457, 26.4647, 72.9376



33.7863, 26.4647, 57.1703



26.0845, 26.4647, 7.4541



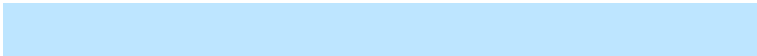
18.1334, 26.4647, 11.8406

Sweetspot

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



24.2467, 26.4656, 72.9383



66.8950, 73.8666, 105.3397



29.3230, 53.5961, 22.2892



13.6593, 15.1662, 22.4574



0.0000, 0.0000, 0.0000



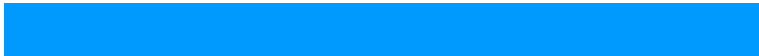
20.3446, 21.4041, 23.3091

Same Dimension

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



24.2467, 26.4656, 72.9383



29.5727, 30.2653, 98.8909



15.1822, 8.3364, 69.9168



13.6363, 14.6117, 17.4893



12.9982, 13.4659, 42.9625



0.9877, 1.1068, 3.0068

Inverse Universe

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



35.9355, 18.7252, 29.3247



47.0561, 23.5864, 32.5572



51.0427, 56.9265, 9.7380



14.0526, 13.8387, 16.0474



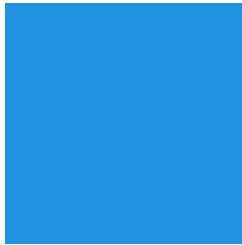
20.5011, 10.2674, 14.5703



1.4648, 0.7292, 1.2404

Previews

White Background



This preview shows how the XYZ color 24.2457, 26.4647, 72.9376 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 24.2457, 26.4647, 72.9376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

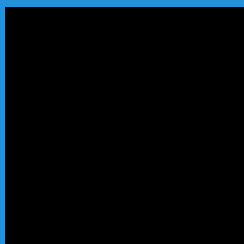
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

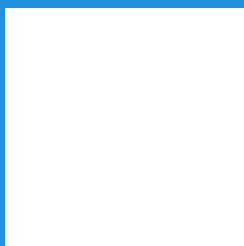
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.2457, 26.4647, 72.9376

Background



This preview shows how black text looks on a background with the XYZ color 24.2457, 26.4647, 72.9376.



This preview shows how white text looks on a background with the XYZ color 24.2457, 26.4647,

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

24.2457, 26.4647, 72.9376

Protanopia

27.7660, 26.2061, 66.5457

Deuteranopia

27.1470, 26.3621, 74.1786



Tritanopia

18.6964, 26.2327, 40.6372

Trichromacy



Original Color

24.2457, 26.4647, 72.9376

Protanomaly

25.5757, 25.8924, 68.6155

Deuteranomaly

25.6675, 26.2747, 73.5307

Tritanomaly

20.3495, 26.1225, 50.9833

Monochromacy



Original Color

24.2457, 26.4647, 72.9376

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.2740, 20.5577, 35.3526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2457, 26.4647, 72.9376 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(33, 147, 222)` looks like.

```
.text, #text, p{  
    color:rgb(33, 147, 222)  
}
```

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(33, 147, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 147, 222) }
```

Border

The CSS property to change the border of an element to XYZ 24.2457, 26.4647, 72.9376 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(33, 147, 222) }
```


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

```
.border{ border-color:rgb(33, 147, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 147, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 147, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 147, 222);  
box-shadow:4px 4px 4px 4px rgb(33, 147,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2457, 26.4647, 72.9376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 147, 222) }
```

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

```
.background{ background-color: rgb(33, 147,  
222) }
```

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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