

Converting Colors

XYZ(25.1973, 24.2902, 83.4819)

Have a look what the booklet for
XYZ(25.1973, 24.2902, 83.4819)
contains.

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Color

**XYZ(25.2169, 24.3036,
83.4827)**

Conversions

Conversions Part 1

Format	Color
Hex	2E88ED
RGB	46, 136, 237
RGB Percent	18%, 53%, 93%
CMY	0.8195, 0.4667, 0.0706
CMYK	0.81, 0.43, 0.00, 0.07
HSL	212°, 84%, 55%
HSV	212°, 81%, 93%
XYZ	25.2169, 24.3036, 83.4827
YIQ	120.6040, -86.0610, 12.3310

Conversions

Conversions Part 2

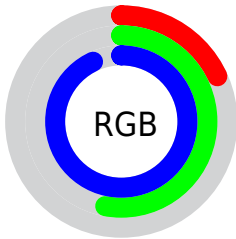
Format	Color
R_{YB}	46, 107, 237
Decimal	3049709
CIE _{Lab}	56.39, 9.26, -58.24
CIE _{LCh}	56, 58.972, 279.029
Yxy	24.3036, 0.1896, 0.1827
Android (android.graphics.Color)	4281239789 (0xFF2E88ED)
YUV	120.6040, 57.3832, -65.4277
Hunter-Lab	49.2987, 5.0323, -65.8930

Details

The XYZ color **25.2169, 24.3036, 83.4827** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **45.8550, 39.0745, 7.7118**, and the grayscale version is **17.8894, 18.8210, 20.4961**.

A 20% lighter version of the original color is **44.1328, 47.6801, 101.4849**, and **11.6464, 10.1117, 44.5179** is the 20% darker color. If you saturate the color by 10%, you get **22.7652, 20.5709, 82.8920**, and if you desaturate by 10%, it is **28.4655, 28.7540, 84.1710**.

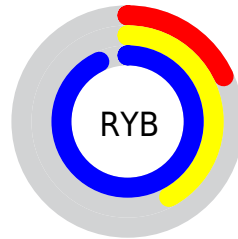
Distribution



Red (18%)

Green (53%)

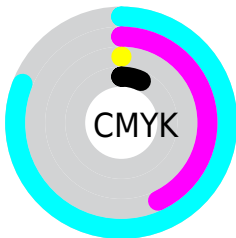
Blue (93%)



Red (18%)

Yellow (42%)

Blue (93%)

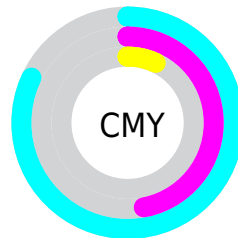


Cyan (81%)

Magenta (43%)

Yellow (0%)

Black (7%)



Cyan (82%)

Magenta (47%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.2169, 24.3036, 83.4827 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 25.2169, 24.3036, 83.4827 by changing the saturation by 10% instead.

■ 25.2169, 24.3036,
83.4827

■ 25.2169, 24.3036,
83.4827

271.2442,
274.3518, 526.6069

■ 16.3683, 15.5590,
62.0455

■ 51.4492, 50.5252,
140.1066

■ 9.8777, 9.2126,
44.6334

■ 69.5637, 68.7709,
176.1304

■ 5.3796, 4.8801,
30.8280

■ 91.4975, 90.9525,
217.8534

■ 2.5087, 2.1771,
20.2105

■ 117.6160,
117.4543, 265.6943

■ 0.8996, 0.7075,
12.3626

■ 148.2846,
148.6608, 320.0716

■ 0.0000, 0.0000,
6.8656

183.8686,

■ 0.0000, 0.0000,

184.9562, 381.4037

3.3010

224.7333,
226.7251, 450.1093

■ 0.0000, 0.0000,
1.2503

■ 0.0000, 0.0000,
0.0205

■ 25.2169, 24.3036,
83.4827

■ 25.2169, 24.3036,
83.4827

■ 22.7652, 20.5709,
82.8920

■ 28.4655, 28.7540,
84.1710

■ 21.0435, 17.6292,
82.4149

■ 32.5994, 33.9770,
84.9613

■ 37.6972, 40.0229,
85.8596

■ 43.8270, 46.9359,
86.8709

■ 51.0502, 54.7566,
87.9997

■ 59.4232, 63.5224,
89.2504

■ 68.9983, 73.2685,
90.6269

■ 79.8243, 84.0279,
92.1331

■ 90.3408, 95.0038,
93.6974

Harmonies

Analogous

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



18.7223, 24.3036, 79.2132



25.2169, 24.3036, 83.4827



32.3680, 24.3036, 67.6045

Triad

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



25.2169, 24.3036, 83.4827



34.8410, 24.3036, 9.1729



12.9014, 24.3036, 15.1802

Complementary

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



25.2169, 24.3036, 83.4827



45.8550, 39.0745, 7.7118

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.



15.7949, 24.3036, 6.7105



25.2169, 24.3036, 83.4827



28.1115, 24.3036, 4.6176

Square

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



25.2169, 24.3036, 83.4827



38.5995, 24.3036, 21.0015



21.1047, 24.3036, 4.0152



12.4290, 24.3036, 32.7966

Rectangle

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



25.2169, 24.3036, 83.4827



36.2480, 24.3036, 50.8386



21.1047, 24.3036, 4.0152



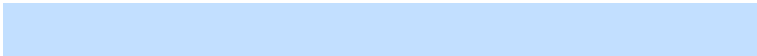
13.5913, 24.3036, 11.4729

Sweetspot

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



25.2179, 24.3043, 83.4833



66.5371, 71.2435, 104.8522



36.4989, 63.1848, 36.9358



13.4880, 14.4592, 22.3300



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.



25.2179, 24.3043, 83.4833



25.3775, 21.7328, 97.4651



17.5401, 8.7277, 80.8814



14.8164, 15.7193, 19.1755



11.6181, 9.8832, 45.0383



1.0079, 0.9673, 3.5685

Inverse Universe

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



40.3469, 21.7375, 25.3622



44.9733, 22.8862, 21.1796



64.6497, 78.2277, 14.2786



15.3609, 15.1722, 17.1858



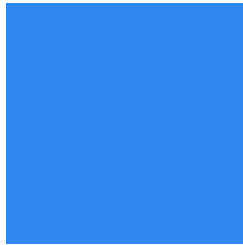
20.7196, 10.4905, 9.5906



1.6752, 0.8431, 1.0072

Previews

White Background



This preview shows how the XYZ color 25.2169, 24.3036, 83.4827 looks on a white background.

Color Contrast Check

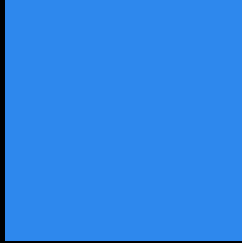
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.2169, 24.3036, 83.4827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

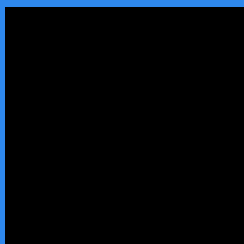
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

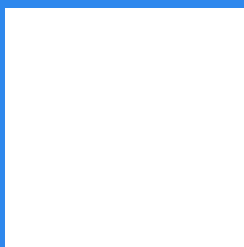
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.2169, 24.3036, 83.4827

Background



This preview shows how black text looks on a background with the XYZ color 25.2169, 24.3036, 83.4827.



This preview shows how white text looks on a background with the XYZ color 25.2169, 24.3036,

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

25.2169, 24.3036, 83.4827

Protanopia

26.8016, 24.1826, 79.5990

Deuteranopia

25.0865, 24.2363, 83.4766



Tritanopia

17.0926, 24.0330, 36.9957

Trichromacy



Original Color

25.2169, 24.3036, 83.4827

Protanomaly

25.9865, 24.1320, 81.1302

Deuteranomaly

25.1289, 24.2582, 83.4786

Tritanomaly

19.2815, 23.6965, 51.1346

Monochromacy



Original Color

25.2169, 24.3036, 83.4827

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.6878, 19.9457, 37.5153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.2169, 24.3036, 83.4827 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(46, 136, 237)` looks like.

```
.text, #text, p{  
    color:rgb(46, 136, 237)  
}
```

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(46, 136, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 136, 237) }
```

Border

The CSS property to change the border of an element to XYZ 25.2169, 24.3036, 83.4827 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(46, 136, 237) }
```


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

```
.border{ border-color:rgb(46, 136, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 136, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 136, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 136, 237);  
box-shadow:4px 4px 4px 4px rgb(46, 136,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 25.2169, 24.3036, 83.4827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 136, 237) }
```

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

```
.background{ background-color: rgb(46, 136,  
237) }
```

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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