

Converting Colors

XYZ(24.6127, 28.6626, 67.9872)

Have a look what the booklet for
XYZ(24.6127, 28.6626, 67.9872)
contains.

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Color

**XYZ(24.5865, 28.6728,
67.8569)**

Conversions

Conversions Part 1

Format	Color
Hex	249BD6
RGB	36, 155, 214
RGB Percent	14%, 61%, 84%
CMY	0.8588, 0.3921, 0.1608
CMYK	0.83, 0.28, 0.00, 0.16
HSL	200°, 71%, 49%
HSV	200°, 83%, 84%
XYZ	24.5865, 28.6728, 67.8569
YIQ	126.1450, -89.8630, -6.8790

Conversions

Conversions Part 2

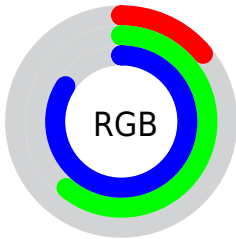
Format	Color
R_{YB}	36, 107, 214
Decimal	2399190
CIE _{Lab}	60.49, -11.12, -38.95
CIE _{LCh}	60, 40.509, 254.063
Yxy	28.6728, 0.2030, 0.2367
Android (android.graphics.Color)	4280589270 (0xFF249BD6)
YUV	126.1450, 43.3125, -79.0572
Hunter-Lab	53.5470, -11.7476, -37.6518

Details

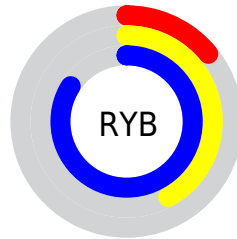
The XYZ color **24.5865, 28.6728, 67.8569** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **32.1443, 22.6113, 4.3407**, and the grayscale version is **19.7619, 20.7910, 22.6414**.

A 20% lighter version of the original color is **47.5326, 56.2657, 102.9629**, and **11.2083, 12.4038, 34.6043** is the 20% darker color. If you saturate the color by 10%, you get **22.9040, 26.1044, 67.4504**, and if you desaturate by 10%, it is **26.7862, 31.6117, 68.3088**.

Distribution



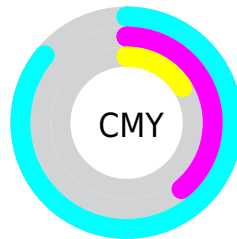
- Red (14%)
- Green (61%)
- Blue (84%)



- Red (14%)
- Yellow (42%)
- Blue (84%)



- Cyan (83%)
- Magenta (28%)
- Yellow (0%)
- Black (16%)



- Cyan (86%)
- Magenta (39%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5865, 28.6728, 67.8569 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 24.5865, 28.6728, 67.8569 by changing the saturation by 10% instead.

■ 24.5865, 28.6728,
67.8569

■ 24.5865, 28.6728,
67.8569

268.1582,
295.6680, 471.5731

■ 15.8963, 18.8334,
49.3154

■ 50.4333, 57.5568,
117.7997

■ 9.5412, 11.5500,
34.5023

■ 68.3207, 77.3703,
150.0380

■ 5.1558, 6.4380,
22.9993

■ 90.0046, 101.2772,
187.6790

■ 2.3746, 3.1132,
14.3877

■ 115.8503,
129.6620, 231.1412

■ 0.8324, 1.1911,
8.2490

■ 146.2231,
162.9091, 280.8432

■ 0.0000, 0.0544,
4.1646

181.4885,

■ 0.0000, 0.0000,

201.4029, 337.2035

1.7161

222.0117,
245.5277, 400.6406

■ 0.0000, 0.0000,
0.3717

■ 0.0000, 0.0000,
0.0000

■ 24.5865, 28.6728,
67.8569

■ 24.5865, 28.6728,
67.8569

■ 22.9040, 26.1044,
67.4504

■ 26.7862, 31.6117,
68.3088

■ 21.9695, 24.5187,
67.1936

■ 29.5703, 34.9561,
68.8076

■ 32.9984, 38.7388,
69.3571

■ 37.1213, 42.9877,
69.9599

■ 41.9843, 47.7277,
70.6185

■ 47.6289, 52.9818,
71.3351

■ 54.0932, 58.7711,
72.1119

■ 61.4128, 65.1155,
72.9507

■ 69.6209, 72.0335,
73.8534

Harmonies

Analogous

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



20.6530, 28.6728, 55.8048



24.5865, 28.6728, 67.8569



29.7671, 28.6728, 68.2663

Triad

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



24.5865, 28.6728, 67.8569



38.2040, 28.6728, 24.7381



20.8467, 28.6728, 14.7747

Complementary

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



24.5865, 28.6728, 67.8569



32.1443, 22.6113, 4.3407

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.



24.8839, 28.6728, 10.8027



24.5865, 28.6728, 67.8569



35.1267, 28.6728, 15.1823

Square

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



24.5865, 28.6728, 67.8569



38.0977, 28.6728, 39.8038



30.1049, 28.6728, 10.9231



18.6899, 28.6728, 23.9682

Rectangle

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



24.5865, 28.6728, 67.8569



33.2750, 28.6728, 61.6306



30.1049, 28.6728, 10.9231



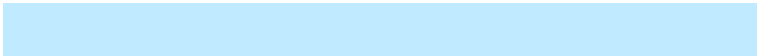
22.0046, 28.6728, 12.9375

Sweetspot

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



24.5875, 28.6738, 67.8576



68.9839, 77.0991, 105.8535



26.7234, 49.2483, 18.3098



14.1176, 15.9022, 22.5753



0.0000, 0.0000, 0.0000



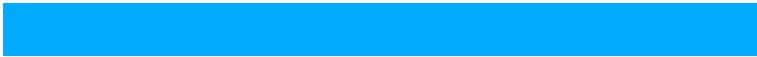
20.3446, 21.4041, 23.3091

Same Dimension

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



24.5875, 28.6738, 67.8576



32.5131, 36.1462, 99.8710



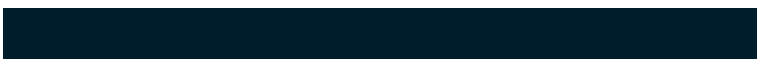
14.9725, 9.4436, 64.6526



12.4292, 13.3819, 15.8654



13.3780, 15.0178, 40.6468



0.8814, 1.0547, 2.4764

Inverse Universe

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



34.2798, 17.9257, 32.6644



48.5403, 24.1801, 40.3729



44.6499, 47.6225, 8.5093



12.7699, 12.5594, 14.7283



19.8115, 9.8609, 16.8431



1.2325, 0.6098, 1.2138

Previews

White Background



This preview shows how the XYZ color 24.5865, 28.6728, 67.8569 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 24.5865, 28.6728, 67.8569 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

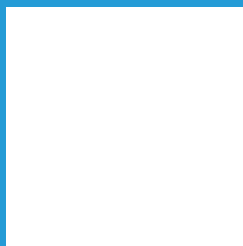
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.5865, 28.6728, 67.8569

Background



This preview shows how black text looks on a background with the XYZ color 24.5865, 28.6728, 67.8569.

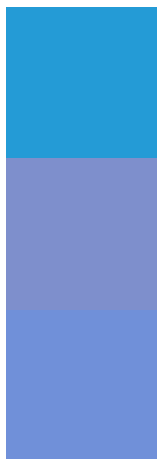


This preview shows how white text looks on a background with the XYZ color 24.5865, 28.6728,

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

24.5865, 28.6728, 67.8569

Protanopia

29.3257, 28.4402, 61.0706

Deuteranopia

29.1797, 28.4010, 69.5896



Tritanopia

20.3849, 28.5457, 44.4799

Trichromacy



Original Color

24.5865, 28.6728, 67.8569

Protanomaly

26.3331, 27.7487, 63.6426

Deuteranomaly

26.6407, 28.0225, 68.9705

Tritanomaly

21.7494, 28.5560, 52.5096

Monochromacy



Original Color

24.5865, 28.6728, 67.8569

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.6314, 22.6871, 35.6921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5865, 28.6728, 67.8569 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(36, 155, 214)` looks like.

```
.text, #text, p{  
    color:rgb(36, 155, 214)  
}
```

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(36, 155, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 155, 214) }
```

Border

The CSS property to change the border of an element to XYZ 24.5865, 28.6728, 67.8569 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(36, 155, 214) }
```


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

```
.border{ border-color:rgb(36, 155, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 155, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 155, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 155, 214);  
box-shadow:4px 4px 4px 4px rgb(36, 155,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5865, 28.6728, 67.8569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 155, 214) }
```

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

```
.background{ background-color: rgb(36, 155,  
214) }
```

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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