

Converting Colors

XYZ(56.4866, 64.0028, 93.5780)

Have a look what the booklet for
XYZ(56.4866, 64.0028, 93.5780)
contains.

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Color

**XYZ(56.5658, 64.1435,
93.4040)**

Conversions

Conversions Part 1

Format	Color
Hex	A6D9F2
RGB	166, 217, 242
RGB Percent	65%, 85%, 95%
CMY	0.3490, 0.1490, 0.0510
CMYK	0.31, 0.10, 0.00, 0.05
HSL	200°, 75%, 80%
HSV	200°, 31%, 95%
XYZ	56.5658, 64.1435, 93.4040
YIQ	204.6010, -38.4210, -3.0370

Conversions

Conversions Part 2

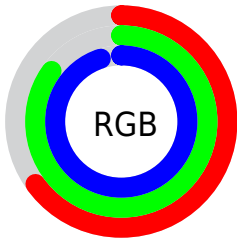
Format	Color
RYB	166, 197, 242
Decimal	10934770
CIELab	84.04, -10.64, -17.55
CIELCh	84, 20.522, 238.785
Yxy	64.1435, 0.2642, 0.2996
Android (android.graphics.Color)	4289124850 (0xFFA6D9F2)
YUV	204.6010, 18.4377, -33.8531
Hunter-Lab	80.0896, -14.0857, -13.0838

Details

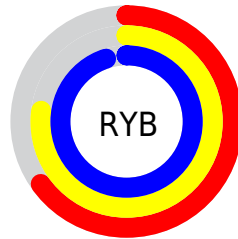
The XYZ color **56.5658, 64.1435, 93.4040** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **62.1328, 58.8929, 44.1709**, and the grayscale version is **57.6808, 60.6847, 66.0856**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **28.4653, 32.8306, 51.2910** is the 20% darker color. If you saturate the color by 10%, you get **49.9601, 57.7668, 92.5224**, and if you desaturate by 10%, it is **64.2289, 71.2153, 94.3662**.

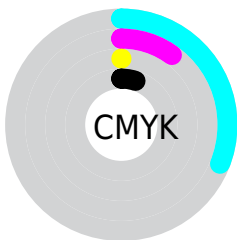
Distribution



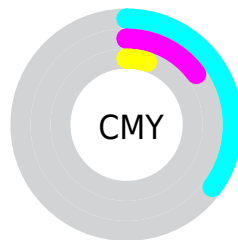
- Red (65%)
- Green (85%)
- Blue (95%)



- Red (65%)
- Yellow (77%)
- Blue (95%)



- Cyan (31%)
- Magenta (10%)
- Yellow (0%)
- Black (5%)



- Cyan (35%)
- Magenta (15%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.5658, 64.1435, 93.4040 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 56.5658, 64.1435, 93.4040 by changing the saturation by 10% instead.

■ 56.5658, 64.1435,
93.4040

■ 56.5658, 64.1435,
93.4040

401.8608,
439.7077, 559.8961

■ 40.8955, 46.7669,
70.2178

■ 98.9664, 110.8176,
154.0344

■ 28.4248, 32.8514,
51.2262

■ 126.4274,
140.8838, 192.3156

■ 18.7882, 22.0127,
36.0107

158.5493,
175.9488, 236.4656

■ 11.6204, 13.8662,
24.1527

195.6976,
216.3968, 286.9030

■ 6.5561, 8.0277,
15.2337

238.2375,
262.6123, 344.0461

■ 3.2299, 4.1127,
8.8351

286.5345,

■ 1.2765, 1.7368,

314.9797, 408.3137

4.5384

340.9538,
373.8834, 480.1242

■ 0.1655, 0.4473,
1.9251

■ 0.0000, 0.0000,
0.5087

■ 56.5658, 64.1435,
93.4040

■ 56.5658, 64.1435,
93.4040

■ 49.9601, 57.7668,
92.5224

■ 64.2289, 71.2153,
94.3662

■ 44.3509, 52.0472,
91.7141

■ 72.9942, 79.0027,
95.4073

■ 39.6797, 46.9539,
90.9772

■ 82.9113, 87.5347,
96.5315

■ 35.8792, 42.4501,
90.3082

■ 91.0947, 95.3258,
97.6040

■ 32.8720, 38.4938,
89.7030

■ 93.0272, 99.1909,
98.2482

■ 30.5657, 35.0350,
89.1569

■ 29.0184, 32.3932,
88.7286

Harmonies

Analogous

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



53.6515, 64.1435, 82.5460



56.5658, 64.1435, 93.4040



60.7821, 64.1435, 97.8465

Triad

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



56.5658, 64.1435, 93.4040



70.0895, 64.1435, 70.3712



56.8704, 64.1435, 50.1922

Complementary

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



56.5658, 64.1435, 93.4040



62.1328, 58.8929, 44.1709

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.



61.1512, 64.1435, 47.7654



56.5658, 64.1435, 93.4040



68.9179, 64.1435, 58.5121

Square

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



56.5658, 64.1435, 93.4040



68.7178, 64.1435, 83.5736



65.5897, 64.1435, 50.6174



53.8211, 64.1435, 57.7024

Rectangle

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



56.5658, 64.1435, 93.4040



63.8126, 64.1435, 96.2003



65.5897, 64.1435, 50.6174



58.2062, 64.1435, 48.7992

Sweetspot

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



56.5678, 64.1460, 93.4055



84.7439, 91.1820, 107.7411



56.7811, 75.3332, 60.3032



17.8037, 19.2255, 23.0225



0.0000, 0.0000, 0.0000



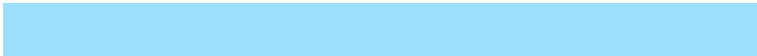
20.3446, 21.4041, 23.3091

Same Dimension

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



56.5678, 64.1460, 93.4055



58.5919, 67.3427, 104.5181



48.0624, 47.1352, 90.5703



15.7838, 17.0017, 20.1714



15.7188, 17.6619, 47.7085



1.3982, 1.6503, 3.9991

Inverse Universe

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



62.7802, 51.1613, 72.2146



66.8204, 51.0824, 76.2401



71.2640, 77.1553, 47.2146



16.2203, 15.9378, 18.7163



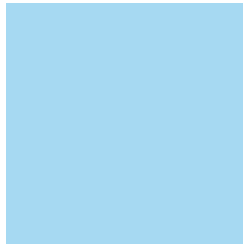
23.2598, 11.5763, 19.8163



1.9807, 0.9813, 1.8891

Previews

White Background



This preview shows how the XYZ color 56.5658, 64.1435, 93.4040 looks on a white background.

Color Contrast Check

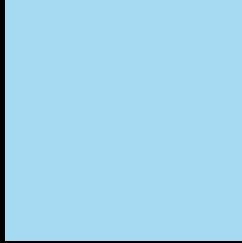
Large Text (above 18pt) WCAG AA × Fail

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 56.5658, 64.1435, 93.4040 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 ✓ Pass

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

XYZ 56.5658, 64.1435, 93.4040

Background



This preview shows how black text looks on a background with the XYZ color 56.5658, 64.1435, 93.4040.



This preview shows how white text looks on a background with the XYZ color 56.5658, 64.1435,

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

56.5658, 64.1435, 93.4040

Protanopia

62.6300, 63.6609, 88.3437

Deuteranopia

65.2257, 63.7754, 95.2583



Tritanopia

55.7288, 64.1983, 88.8112

Trichromacy



Original Color

56.5658, 64.1435, 93.4040

Protanomaly

60.2127, 63.8379, 90.0373

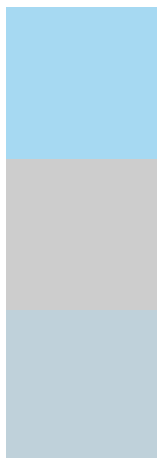
Deuteranomaly

61.6353, 63.7347, 94.6414

Tritanomaly

56.0211, 64.3152, 90.3504

Monochromacy



Original Color

56.5658, 64.1435, 93.4040

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

56.9412, 61.7392, 75.2454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.5658, 64.1435, 93.4040 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(166, 217, 242)` looks like.

```
.text, #text, p{  
    color:rgb(166, 217, 242)  
}
```

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(166, 217, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 217, 242) }
```

Border

The CSS property to change the border of an element to XYZ 56.5658, 64.1435, 93.4040 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(166, 217, 242) }
```


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

```
.border{ border-color:rgb(166, 217, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 217, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 217, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 217, 242); box-shadow:4px 4px 4px 4px rgb(166, 217, 242) }
```

Background

The CSS property to change the background color of an element to XYZ 56.5658, 64.1435, 93.4040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 217, 242) }
```

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

```
.background{ background-color: rgb(166,  
217, 242) }
```

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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