

Converting Colors

XYZ(50.5497, 63.1163, 93.5234)

Have a look what the booklet for
XYZ(50.5497, 63.1163, 93.5234)
contains.

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Color

**XYZ(50.4605, 62.9384,
93.4932)**

Conversions

Conversions Part 1

Format	Color
Hex	7CDEF2
RGB	124, 222, 242
RGB Percent	49%, 87%, 95%
CMY	0.5137, 0.1294, 0.0510
CMYK	0.49, 0.08, 0.00, 0.05
HSL	190°, 82%, 72%
HSV	190°, 49%, 95%
XYZ	50.4605, 62.9384, 93.4932
YIQ	194.9780, -64.8280, -14.5560

Conversions

Conversions Part 2

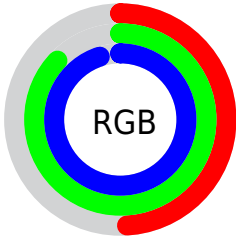
Format	Color
RYB	124, 178, 242
Decimal	8183538
CIELab	83.41, -23.63, -18.70
CIELCh	83, 30.132, 218.356
Yxy	62.9384, 0.2439, 0.3042
Android (android.graphics.Color)	4286373618 (0xFF7CDEF2)
YUV	194.9780, 23.1818, -62.2477
Hunter-Lab	79.3337, -25.2985, -14.3385

Details

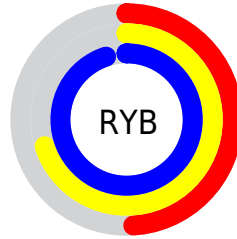
The XYZ color **50.4605, 62.9384, 93.4932** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **50.2308, 40.2806, 24.1982**, and the grayscale version is **51.7544, 54.4497, 59.2957**.

A 20% lighter version of the original color is **73.3384, 88.8073, 107.8839**, and **24.6682, 32.2067, 51.3707** is the 20% darker color. If you saturate the color by 10%, you get **46.3073, 59.2011, 92.9919**, and if you desaturate by 10%, it is **55.5022, 67.1758, 94.0465**.

Distribution



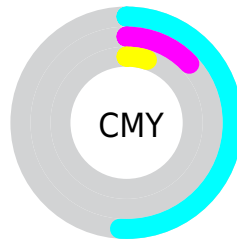
- Red (49%)
- Green (87%)
- Blue (95%)



- Red (49%)
- Yellow (70%)
- Blue (95%)



- Cyan (49%)
- Magenta (8%)
- Yellow (0%)
- Black (5%)




- Cyan (51%)
- Magenta (13%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4605, 62.9384, 93.4932 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 50.4605, 62.9384, 93.4932 by changing the saturation by 10% instead.


 50.4605, 62.9384,
93.4932


 50.4605, 62.9384,
93.4932


378.8863,
435.3459, 560.1904


 35.9987, 45.7914,
70.2916


 90.0445, 109.0806,
154.1589

 24.6033, 32.0812,
51.2860


 115.8975,
138.8446, 192.4600

 15.9089, 21.4235,
36.0580


 146.2783,
173.5831, 236.6313

 9.5502, 13.4340,
24.1889

181.5522,
213.6804, 287.0914

 5.1617, 7.7280,
15.2603

222.0846,
259.5209, 344.2588

 2.3782, 3.9214,
8.8536

268.2409,

 0.8342, 1.6297,

311.4891, 408.5521

4.5503

320.3863,
369.9693, 480.3898

■ 0.0000, 0.3775,
1.9319

■ 0.0000, 0.0000,
0.5129

■ 50.4605, 62.9384,
93.4932

■ 50.4605, 62.9384,
93.4932

■ 46.3073, 59.2011,
92.9919

■ 55.5022, 67.1758,
94.0465

■ 42.9726, 55.9235,
92.5350


■ 61.4841, 71.9361,
94.6501


■ 40.3854, 53.0700,
92.1206


■ 68.4608, 77.2492,
95.3079


■ 38.4592, 50.5958,
91.7445


■ 76.4810, 83.1404,
96.0223


 37.0673, 48.4353,
91.4008


 85.5901, 89.6333,
96.7954

 36.9108, 48.1780,
91.3594

 90.4095, 93.9555,
97.3757

 91.6750, 96.4865,
97.7975

 92.9683, 99.0730,
98.2286

 93.0272, 99.1909,
98.2482

Harmonies

Analogous

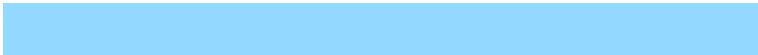
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.1836, 62.9384, 73.9169



50.4605, 62.9384, 93.4932



55.2860, 62.9384, 107.9123

Triad

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



50.4605, 62.9384, 93.4932



72.3347, 62.9384, 82.7432



58.0058, 62.9384, 38.6293

Complementary

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



50.4605, 62.9384, 93.4932



50.2308, 40.2806, 24.1982

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.



64.5976, 62.9384, 40.1253



50.4605, 62.9384, 93.4932



73.1960, 62.9384, 63.4099

Square

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



50.4605, 62.9384, 93.4932



67.9991, 62.9384, 100.9581



70.2731, 62.9384, 48.4588



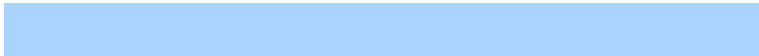
52.3265, 62.9384, 43.9148

Rectangle

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



50.4605, 62.9384, 93.4932



59.4597, 62.9384, 111.3778



70.2731, 62.9384, 48.4588



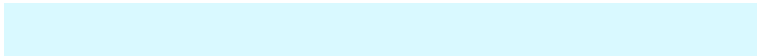
60.1839, 62.9384, 38.3782

Sweetspot

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



50.4625, 62.9408, 93.4947



80.3177, 89.3868, 107.6279



45.0746, 69.7942, 37.3502



16.7953, 18.8393, 23.0011



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.



50.4625, 62.9408, 93.4947



51.9813, 66.5127, 104.7063



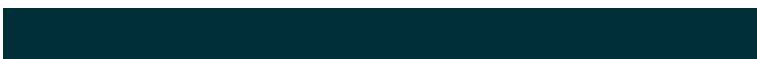
37.4975, 37.0109, 89.1730



16.0061, 17.4463, 20.2455



19.9167, 26.0576, 49.1078



1.7165, 2.2871, 4.1052

Inverse Universe

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



57.0121, 38.5684, 73.5492



60.4589, 36.9569, 78.4433



61.5349, 62.8889, 27.9663



16.3325, 15.9827, 19.3073



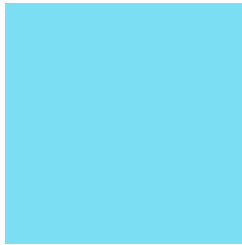
25.3786, 12.4239, 30.9742



2.1414, 1.0456, 2.7353

Previews

White Background



This preview shows how the XYZ color 50.4605, 62.9384, 93.4932 looks on a white background.

Color Contrast Check

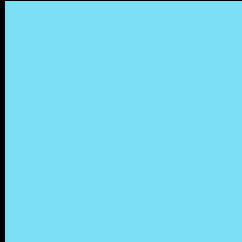
Large Text (above 18pt) WCAG AA × Fail

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 50.4605, 62.9384, 93.4932 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 50.4605, 62.9384, 93.4932

Background



This preview shows how black text looks on a background with the XYZ color 50.4605, 62.9384, 93.4932.

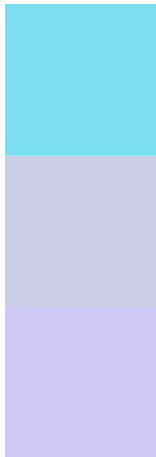


This preview shows how white text looks on a background with the XYZ color 50.4605, 62.9384,

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

50.4605, 62.9384, 93.4932

Protanopia

60.8837, 62.1287, 84.3844

Deuteranopia

63.4872, 62.1603, 95.8408



Tritanopia

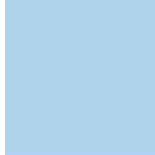
50.0178, 62.7448, 91.9128

Trichromacy



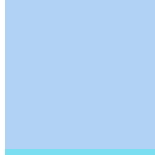
Original Color

50.4605, 62.9384, 93.4932



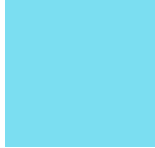
Protanomaly

55.7452, 61.5854, 87.5463



Deuteranomaly

57.4134, 61.5406, 95.2387



Tritanomaly

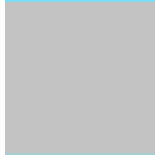
50.1668, 62.8044, 92.6975

Monochromacy



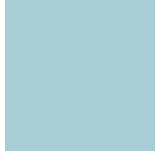
Original Color

50.4605, 62.9384, 93.4932



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

50.0772, 56.8511, 70.6214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4605, 62.9384, 93.4932 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(124, 222, 242)` looks like.

```
.text, #text, p{  
    color:rgb(124, 222, 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(124, 222, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 222, 242) }
```

Border

The CSS property to change the border of an element to XYZ 50.4605, 62.9384, 93.4932 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(124, 222, 242) }
```


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

```
.border{ border-color:rgb(124, 222, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 222, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 222, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 222, 242);  
box-shadow:4px 4px 4px 4px rgb(124, 222,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4605, 62.9384, 93.4932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 222, 242) }
```

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

```
.background{ background-color: rgb(124,  
222, 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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