

Converting Colors

XYZ(42.5003, 47.5639, 90.4517)

Have a look what the booklet for
XYZ(42.5003, 47.5639, 90.4517)
contains.

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Color

**XYZ(42.5340, 47.7501,
90.1940)**

Conversions

Conversions Part 1

Format	Color
Hex	7ABFF1
RGB	122, 191, 241
RGB Percent	48%, 75%, 95%
CMY	0.5215, 0.2510, 0.0549
CMYK	0.49, 0.21, 0.00, 0.05
HSL	205°, 81%, 71%
HSV	205°, 49%, 95%
XYZ	42.5340, 47.7501, 90.1940
YIQ	176.0690, -57.1740, 0.9220

Conversions

Conversions Part 2

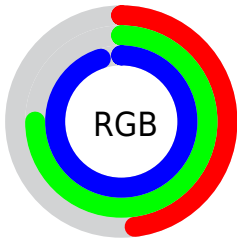
Format	Color
RYB	122, 166, 241
Decimal	8044529
CIELab	74.67, -8.36, -31.51
CIELCh	75, 32.600, 255.139
Yxy	47.7501, 0.2357, 0.2646
Android (android.graphics.Color)	4286234609 (0xFF7ABFF1)
YUV	176.0690, 32.0110, -47.4185
Hunter-Lab	69.1014, -11.0555, -29.0167

Details

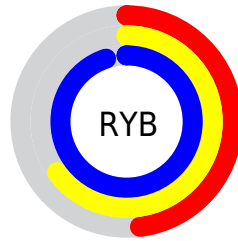
The XYZ color **42.5340, 47.7501, 90.1940** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.5423, 49.6124, 25.1154**, and the grayscale version is **41.1640, 43.3077, 47.1621**.

A 20% lighter version of the original color is **70.1332, 83.4448, 107.0178**, and **19.8320, 22.7039, 49.2360** is the 20% darker color. If you saturate the color by 10%, you get **37.4030, 41.9401, 89.3439**, and if you desaturate by 10%, it is **48.6669, 54.3051, 91.1369**.

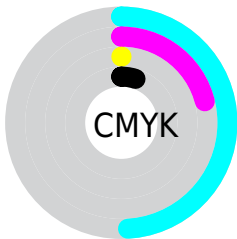
Distribution



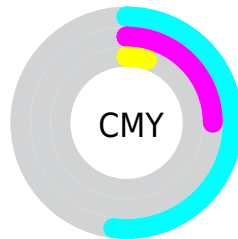
- Red (48%)
- Green (75%)
- Blue (95%)



- Red (48%)
- Yellow (65%)
- Blue (95%)



- Cyan (49%)
- Magenta (21%)
- Yellow (0%)
- Black (5%)



- Cyan (52%)
- Magenta (25%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5340, 47.7501, 90.1940 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 42.5340, 47.7501, 90.1940 by changing the saturation by 10% instead.

■ 42.5340, 47.7501,
90.1940

■ 42.5340, 47.7501,
90.1940

347.6459,
377.8007, 549.2481

■ 29.7126, 33.6290,
67.5669

■ 78.2673, 86.8322,
149.5457

■ 19.7675, 22.6088,
49.0810

■ 101.9099,
112.5620, 187.1074

■ 12.3334, 14.3049,
34.3177

■ 129.8902,
142.9302, 230.4845

■ 7.0450, 8.3330,
22.8584

162.5737,
178.3212, 280.0954

■ 3.5368, 4.3088,
14.2847

200.3256,
219.1194, 336.3586

■ 1.4436, 1.8477,
8.1779

243.5114,

■ 0.2870, 0.5167,

265.7091, 399.6928

4.1196

292.4964,
318.4747, 470.5164

■ 0.0000, 0.0000,
1.6912

■ 0.0000, 0.0000,
0.3547

■ 42.5340, 47.7501,
90.1940

■ 42.5340, 47.7501,
90.1940

■ 37.4030, 41.9401,
89.3439

■ 48.6669, 54.3051,
91.1369

■ 33.2023, 36.8309,
88.5791

■ 55.8570, 61.6353,
92.1728

■ 29.8577, 32.3805,
87.8964

■ 64.1612, 69.7752,
93.3063

■ 27.2795, 28.5377,
87.2905

■ 73.6303, 78.7551,
94.5405

■ 25.3289, 25.2260,
86.7541

■ 84.3122, 88.6039,
95.8785

■ 25.2176, 25.0315,
86.7224

■ 91.8522, 97.0806,
97.1173

■ 92.8774, 99.1309,
97.4590

Harmonies

Analogous

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



37.8357, 47.7501, 78.6239



42.5340, 47.7501, 90.1940



48.4163, 47.7501, 90.1350

Triad

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



42.5340, 47.7501, 90.1940



57.2550, 47.7501, 43.9510



37.8011, 47.7501, 32.2570

Complementary

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



42.5340, 47.7501, 90.1940



54.5423, 49.6124, 25.1154

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.



42.4830, 47.7501, 26.4898



42.5340, 47.7501, 90.1940



53.8772, 47.7501, 32.1758

Square

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



42.5340, 47.7501, 90.1940



57.2716, 47.7501, 60.7883



48.3607, 47.7501, 26.4637



35.2686, 47.7501, 44.0876

Rectangle

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



42.5340, 47.7501, 90.1940



52.2409, 47.7501, 83.3852



48.3607, 47.7501, 26.4637



39.1568, 47.7501, 29.6706

Sweetspot

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



42.5356, 47.7519, 90.1951



77.4366, 83.6247, 106.6676



46.8891, 70.0119, 49.8643



16.0981, 17.4447, 22.7687



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.



42.5356, 47.7519, 90.1951



42.6257, 47.8015, 101.5877



32.1447, 26.9701, 86.7315



15.6586, 16.7513, 20.1296



13.8112, 13.8466, 47.0726



1.2471, 1.3482, 3.9487

Inverse Universe

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



52.6405, 36.3830, 53.5402



55.7366, 35.0680, 53.5762



68.3888, 77.3055, 29.7310



16.1571, 15.9126, 18.3836



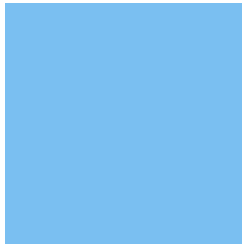
22.2969, 11.1912, 14.7458



1.9044, 0.9508, 1.4876

Previews

White Background



This preview shows how the XYZ color 42.5340, 47.7501, 90.1940 looks on a white background.

Color Contrast Check

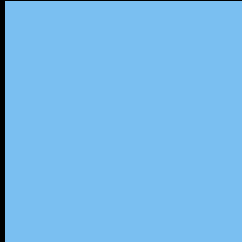
Large Text (above 18pt) WCAG AA × Fail

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 42.5340, 47.7501, 90.1940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

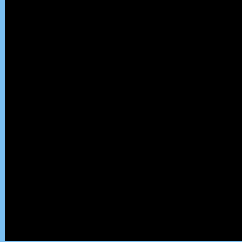
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.5340, 47.7501, 90.1940

Background



This preview shows how black text looks on a background with the XYZ color 42.5340, 47.7501, 90.1940.



This preview shows how white text looks on a background with the XYZ color 42.5340, 47.7501,

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

42.5340, 47.7501, 90.1940

Protanopia

47.7373, 47.4233, 84.4795

Deuteranopia

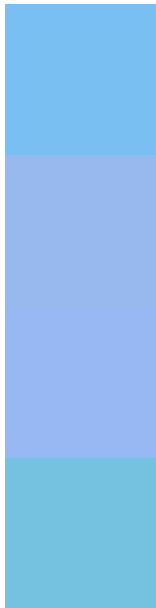
48.4353, 47.3291, 91.3766



Tritanopia

38.4336, 47.7440, 69.4772

Trichromacy



Original Color

42.5340, 47.7501, 90.1940

Protanomaly

45.5839, 47.4877, 86.8843

Deuteranomaly

45.9300, 47.2711, 90.7079

Tritanomaly

39.8135, 47.6243, 76.9060

Monochromacy



Original Color

42.5340, 47.7501, 90.1940

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.6595, 44.2858, 61.0486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5340, 47.7501, 90.1940 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(122, 191, 241)` looks like.

```
.text, #text, p{  
    color:rgb(122, 191, 241)  
}
```

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(122, 191, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 191, 241) }
```

Border

The CSS property to change the border of an element to XYZ 42.5340, 47.7501, 90.1940 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(122, 191, 241) }
```


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

```
.border{ border-color:rgb(122, 191, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 191, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 191, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 191, 241);  
box-shadow:4px 4px 4px 4px rgb(122, 191,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5340, 47.7501, 90.1940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 191, 241) }
```

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

```
.background{ background-color: rgb(122,  
191, 241) }
```

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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