

Converting Colors

XYZ(47.5204, 61.8356, 92.6500)

Have a look what the booklet for
XYZ(47.5204, 61.8356, 92.6500)
contains.

XYZ(47.5204, 61.8356, 92.6500)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.5204, 61.8356,
92.6500)**

Conversions

Conversions Part 1

Format	Color
Hex	64DFF1
RGB	100, 223, 241
RGB Percent	39%, 87%, 95%
CMY	0.6078, 0.1255, 0.0549
CMYK	0.59, 0.07, 0.00, 0.05
HSL	188°, 83%, 67%
HSV	188°, 59%, 95%
XYZ	47.5204, 61.8356, 92.6500
YIQ	188.2750, -79.0860, -20.4780

Conversions

Conversions Part 2

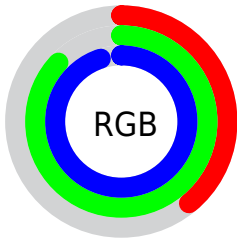
Format	Color
R_{YB}	100, 166, 241
Decimal	6610929
CIE _{Lab}	82.83, -29.13, -19.13
CIE _{LCh}	83, 34.853, 213.294
Yxy	61.8356, 0.2352, 0.3061
Android (android.graphics.Color)	4284801009 (0xFF64DFF1)
YUV	188.2750, 25.9934, -77.4172
Hunter-Lab	78.6356, -29.7427, -14.8117

Details

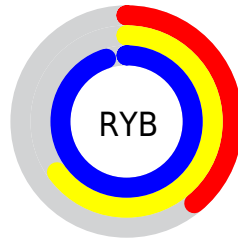
The XYZ color **47.5204, 61.8356, 92.6500** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **45.0557, 32.5793, 15.9721**, and the grayscale version is **47.8473, 50.3390, 54.8192**.

A 20% lighter version of the original color is **68.7103, 86.4214, 107.6673**, and **22.7137, 31.2114, 50.7262** is the 20% darker color. If you saturate the color by 10%, you get **44.4246, 59.0318, 92.2731**, and if you desaturate by 10%, it is **51.4232, 65.0802, 93.0717**.

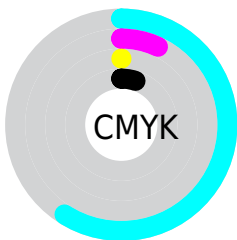
Distribution



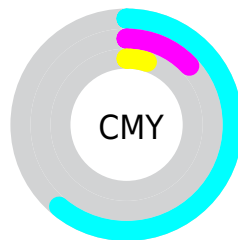
- Red (39%)
- Green (87%)
- Blue (95%)



- Red (39%)
- Yellow (65%)
- Blue (95%)



- Cyan (59%)
- Magenta (7%)
- Yellow (0%)
- Black (5%)



- Cyan (61%)
- Magenta (13%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5204, 61.8356, 92.6500 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 47.5204, 61.8356, 92.6500 by changing the saturation by 10% instead.

47.5204, 61.8356,
92.6500

47.5204, 61.8356,
92.6500

367.5023,
431.3312, 557.4050

33.6569, 44.8999,
69.5946

85.7039, 107.4879,
152.9815

22.7918, 31.3786,
50.7213

110.7547,
136.9732, 191.0946

14.5597, 20.8873,
35.6117

140.2652,
171.4106, 235.0640

8.5953, 13.0416,
23.8471

174.6009,
211.1843, 285.3084

4.5331, 7.4572,
15.0091

214.1271,
256.6789, 342.2461

2.0079, 3.7497,
8.6791

259.2091,

0.6384, 1.5345,

308.2786, 406.2957

4.4385

310.2124,
366.3679, 477.8759

■ 0.0000, 0.3128,
1.8689

■ 0.0000, 0.0000,
0.4728

■ 47.5204, 61.8356,
92.6500

■ 47.5204, 61.8356,
92.6500

■ 44.4246, 59.0318,
92.2731

■ 51.4232, 65.0802,
93.0717

■ 42.0581, 56.6247,
91.9332

■ 56.1903, 68.7914,
93.5368

■ 40.3378, 54.5727,
91.6278

■ 61.8804, 73.0008,
94.0494

■ 39.1419, 52.8128,
91.3512

■ 68.5454, 77.7353,
94.6119

■ 38.9827, 52.5616,
91.3111

■ 76.2334, 83.0197,
95.2267

■ 84.9891, 88.8774,
95.8959

■ 89.6303, 92.6367,
96.3769

■ 90.5664, 94.5090,
96.6890

■ 91.5181, 96.4124,
97.0062

Harmonies

Analogous

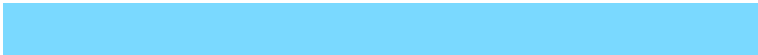
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.5149, 61.8356, 69.7305



47.5204, 61.8356, 92.6500



52.5251, 61.8356, 111.3917

Triad

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



47.5204, 61.8356, 92.6500



72.6251, 61.8356, 87.6553



57.9478, 61.8356, 33.9309

Complementary

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



47.5204, 61.8356, 92.6500



45.0557, 32.5793, 15.9721

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.



65.4975, 61.8356, 36.7536



47.5204, 61.8356, 92.6500



74.3837, 61.8356, 64.9822

Square

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



47.5204, 61.8356, 92.6500



67.0530, 61.8356, 108.1036



71.6747, 61.8356, 47.1000



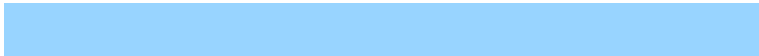
51.2041, 61.8356, 38.3622

Rectangle

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



47.5204, 61.8356, 92.6500



57.1043, 61.8356, 117.2616



71.6747, 61.8356, 47.1000



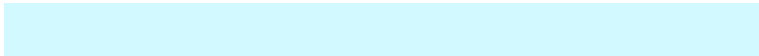
60.4736, 61.8356, 34.0668

Sweetspot

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



47.5223, 61.8379, 92.6515



78.2920, 88.6284, 107.5883



39.8910, 66.8928, 27.4716



16.2559, 18.6186, 22.9869



0.0000, 0.0000, 0.0000



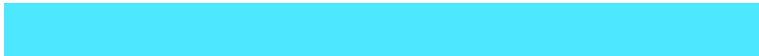
20.3446, 21.4041, 23.3091

Same Dimension

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



47.5223, 61.8379, 92.6515



49.9874, 66.6111, 104.8304



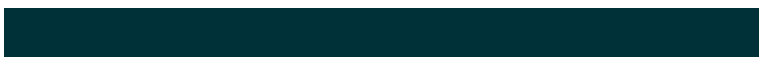
32.6984, 32.1900, 87.7102



16.0652, 17.5645, 20.2652



21.2090, 28.6423, 49.5385



1.8120, 2.4780, 4.1370

Inverse Universe

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



54.1537, 33.1446, 73.3579



58.4550, 32.3364, 79.6644



56.3372, 55.1422, 19.7326



16.3623, 15.9947, 19.4643



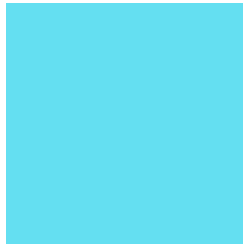
26.0309, 12.6848, 34.4092



2.1896, 1.0649, 2.9891

Previews

White Background



This preview shows how the XYZ color 47.5204, 61.8356, 92.6500 looks on a white background.

Color Contrast Check

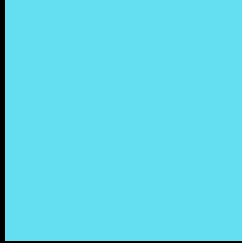
Large Text (above 18pt) WCAG AA × Fail

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 47.5204, 61.8356, 92.6500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

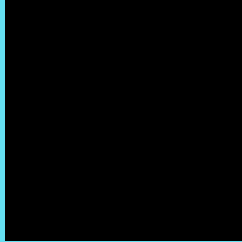
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.5204, 61.8356, 92.6500

Background



This preview shows how black text looks on a background with the XYZ color 47.5204, 61.8356, 92.6500.



This preview shows how white text looks on a background with the XYZ color 47.5204, 61.8356,

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

47.5204, 61.8356, 92.6500

Protanopia

59.4469, 60.7308, 81.9878

Deuteranopia

62.1907, 60.7997, 95.6465



Tritanopia

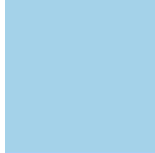
47.5204, 61.8356, 92.6500

Trichromacy



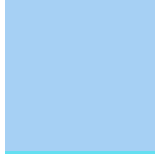
Original Color

47.5204, 61.8356, 92.6500



Protanomaly

53.0644, 59.8689, 85.8499



Deuteranomaly

54.6109, 59.7504, 94.2426



Tritanomaly

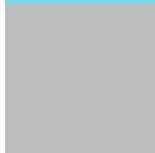
47.5204, 61.8356, 92.6500

Monochromacy



Original Color

47.5204, 61.8356, 92.6500



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

45.8594, 53.3462, 66.9113

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5204, 61.8356, 92.6500 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(100, 223, 241)` looks like.

```
.text, #text, p{  
    color:rgb(100, 223, 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(100, 223, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 223, 241) }
```

Border

The CSS property to change the border of an element to XYZ 47.5204, 61.8356, 92.6500 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(100, 223, 241) }
```


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

```
.border{ border-color:rgb(100, 223, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 223, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 223, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 223, 241);  
box-shadow:4px 4px 4px 4px rgb(100, 223,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5204, 61.8356, 92.6500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 223, 241) }
```

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

```
.background{ background-color: rgb(100,  
223, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor