

Converting Colors

XYZ(30.7967, 40.7603, 53.8010)

Have a look what the booklet for
XYZ(30.7967, 40.7603, 53.8010)
contains.

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Color

**XYZ(30.8525, 40.9223,
53.8497)**

Conversions

Conversions Part 1

Format	Color
Hex	5ABABC
RGB	90, 186, 188
RGB Percent	35%, 73%, 74%
CMY	0.6470, 0.2706, 0.2627
CMYK	0.52, 0.01, 0.00, 0.26
HSL	181°, 42%, 55%
HSV	181°, 52%, 74%
XYZ	30.8525, 40.9223, 53.8497
YIQ	157.5240, -57.8580, -19.7300

Conversions

Conversions Part 2

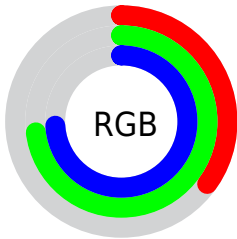
Format	Color
RYB	90, 138, 188
Decimal	5946044
CIELab	70.12, -27.59, -9.68
CIElCh	70, 29.234, 199.332
Yxy	40.9223, 0.2456, 0.3258
Android (android.graphics.Color)	4284136124 (0xFF5ABABC)
YUV	157.5240, 15.0247, -59.2185
Hunter-Lab	63.9705, -25.8593, -5.1303

Details

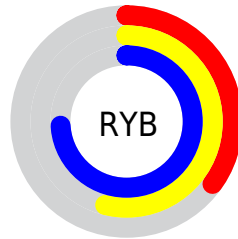
The XYZ color **30.8525, 40.9223, 53.8497** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.4125, 19.0847, 11.9656**, and the grayscale version is **32.2382, 33.9171, 36.9357**.

A 20% lighter version of the original color is **60.2940, 76.3318, 97.1436**, and **12.9129, 18.4005, 25.7927** is the 20% darker color. If you saturate the color by 10%, you get **29.1697, 39.9360, 53.7487**, and if you desaturate by 10%, it is **33.0004, 42.1506, 53.9743**.

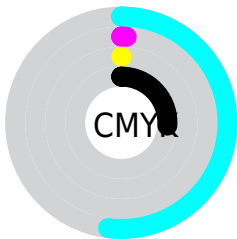
Distribution



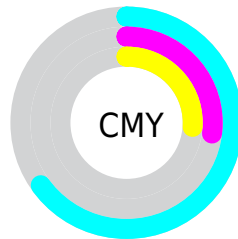
- Red (35%)
- Green (73%)
- Blue (74%)



- Red (35%)
- Yellow (54%)
- Blue (74%)



- Cyan (52%)
- Magenta (1%)
- Yellow (0%)
- Black (26%)



- Cyan (65%)
- Magenta (27%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8525, 40.9223, 53.8497 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 30.8525, 40.9223, 53.8497 by changing the saturation by 10% instead.

■ 30.8525, 40.9223,
53.8497

■ 30.8525, 40.9223,
53.8497

297.6972,
349.9958, 418.6950

■ 20.6378, 28.2584,
38.0892

■ 60.3852, 76.5659,
97.3077

■ 12.9705, 18.5205,
25.7495

■ 80.4339, 100.3144,
125.8422

■ 7.4851, 11.3243,
16.4123

■ 104.4914,
128.5266, 159.4719

■ 3.8163, 6.2854,
9.6588

■ 132.9230,
161.5867, 198.6151

■ 1.5987, 3.0194,
5.0707

166.0940,
199.8794, 243.6905

■ 0.3916, 1.1419,
2.2294

204.3698,

■ 0.0000, 0.0134,

243.7888, 295.1166

0.6912

248.1158,
293.6995, 353.3119

■ 0.0000, 0.0000,
0.0000

■ 30.8525, 40.9223,
53.8497

■ 30.8525, 40.9223,
53.8497

■ 29.1697, 39.9360,
53.7487

■ 33.0004, 42.1506,
53.9743

■ 27.9128, 39.1686,
53.6669

■ 35.6416, 43.6326,
54.1211

■ 27.0422, 38.6007,
53.6031

■ 38.8064, 45.3848,
54.2926

■ 26.5092, 38.2072,
53.5553

■ 42.5215, 47.4210,
54.4898

■ 26.2526, 37.9815,
53.5252

■ 46.8119, 49.7542,
54.7140

■ 51.7011, 52.3963,
54.9663

■ 57.2112, 55.3589,
55.2477

■ 63.3632, 58.6527,
55.5592

■ 68.6125, 61.4815,
55.8286

Harmonies

Analogous

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



30.5457, 40.9223, 39.8607



30.8525, 40.9223, 53.8497



33.2089, 40.9223, 67.6488

Triad

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



30.8525, 40.9223, 53.8497



46.2902, 40.9223, 64.0030



40.6216, 40.9223, 23.3757

Complementary

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



30.8525, 40.9223, 53.8497



26.4125, 19.0847, 11.9656

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.



45.1966, 40.9223, 27.4281



30.8525, 40.9223, 53.8497



48.6430, 40.9223, 49.6093

Square

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



30.8525, 40.9223, 53.8497



42.0174, 40.9223, 74.2910



48.2271, 40.9223, 36.4008



35.9320, 40.9223, 24.0514

Rectangle

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



30.8525, 40.9223, 53.8497



35.7412, 40.9223, 73.9961



48.2271, 40.9223, 36.4008



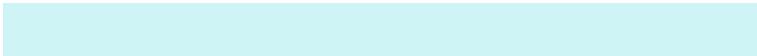
42.2299, 40.9223, 24.1909

Sweetspot

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



30.8537, 40.9239, 53.8507



74.1535, 84.3517, 98.5994



24.1165, 38.9073, 16.2813



15.6495, 17.9767, 21.1876



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



30.8537, 40.9239, 53.8507



52.3731, 72.0821, 97.3791



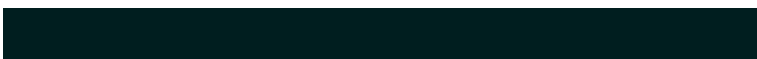
22.2925, 23.8015, 50.9969



9.7915, 10.7752, 12.2360



17.8809, 25.8735, 36.4446



0.7057, 1.0242, 1.4293

Inverse Universe

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



33.2592, 21.5500, 48.8626



57.2666, 33.1765, 87.1183



32.0564, 30.3726, 13.8469



9.9213, 9.6928, 11.9748



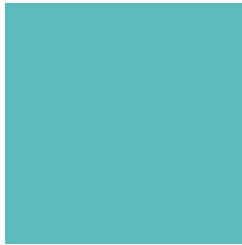
20.0262, 9.6416, 31.7612



0.7871, 0.3787, 1.2583

Previews

White Background



This preview shows how the XYZ color 30.8525, 40.9223, 53.8497 looks on a white background.

Color Contrast Check

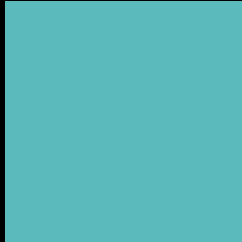
Large Text (above 18pt) WCAG AA × Fail

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 30.8525, 40.9223, 53.8497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

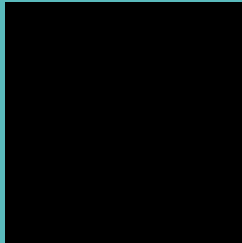
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.8525, 40.9223, 53.8497

Background



This preview shows how black text looks on a background with the XYZ color 30.8525, 40.9223, 53.8497.

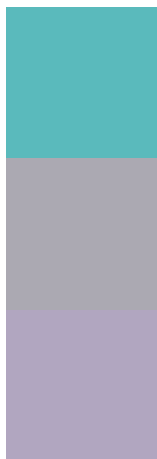


This preview shows how white text looks on a background with the XYZ color 30.8525, 40.9223,

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

30.8525, 40.9223, 53.8497

Protanopia

39.0184, 40.2482, 47.8317

Deuteranopia

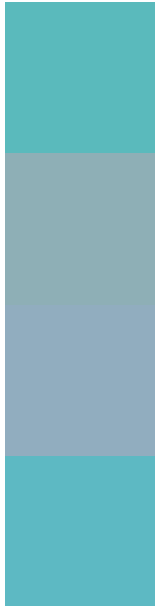
41.2821, 40.4253, 55.4962



Tritanopia

32.0654, 40.7842, 60.2149

Trichromacy



Original Color

30.8525, 40.9223, 53.8497

Protanomaly

34.9288, 39.7881, 50.0949

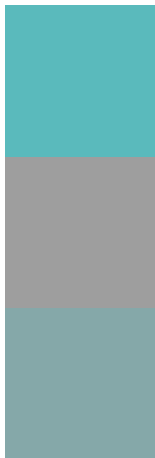
Deuteranomaly

36.0246, 39.6685, 55.0483

Tritanomaly

31.7135, 40.9652, 57.8654

Monochromacy



Original Color

30.8525, 40.9223, 53.8497

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

30.8369, 35.8564, 42.8318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8525, 40.9223, 53.8497 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(90, 186, 188)` looks like.

```
.text, #text, p{  
    color:rgb(90, 186, 188)  
}
```

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(90, 186, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 186, 188) }
```

Border

The CSS property to change the border of an element to XYZ 30.8525, 40.9223, 53.8497 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(90, 186, 188) }
```


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

```
.border{ border-color:rgb(90, 186, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 186, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 186, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 186, 188);  
box-shadow:4px 4px 4px 4px rgb(90, 186,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8525, 40.9223, 53.8497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 186, 188) }
```

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

```
.background{ background-color: rgb(90, 186,  
188) }
```

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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