

Converting Colors

XYZ(24.2994, 32.7045, 55.7611)

Have a look what the booklet for
XYZ(24.2994, 32.7045, 55.7611)
contains.

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Color

**XYZ(24.2689, 32.7382,
55.4921)**

Conversions

Conversions Part 1

Format	Color
Hex	13AAC1
RGB	19, 170, 193
RGB Percent	7%, 67%, 76%
CMY	0.9254, 0.3333, 0.2431
CMYK	0.90, 0.12, 0.00, 0.24
HSL	188°, 82%, 42%
HSV	188°, 90%, 76%
XYZ	24.2689, 32.7382, 55.4921
YIQ	127.4730, -97.3790, -24.8590

Conversions

Conversions Part 2

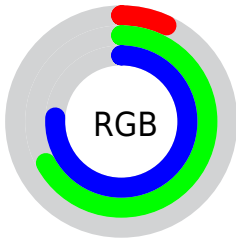
Format	Color
RYB	19, 100, 193
Decimal	1288897
CIELab	63.95, -27.40, -21.91
CIELCh	64, 35.084, 218.651
Yxy	32.7382, 0.2157, 0.2910
Android (android.graphics.Color)	4279478977 (0xFF13AAC1)
YUV	127.4730, 32.3048, -95.1308
Hunter-Lab	57.2173, -24.4189, -17.4502

Details

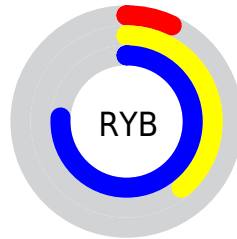
The XYZ color **24.2689, 32.7382, 55.4921** is a dark color, and the websafe version is hex **339999**. The color can be described as dark washed azure. A complement of this color would be **22.9391, 13.0421, 1.9255**, and the grayscale version is **20.2545, 21.3093, 23.2058**.

A 20% lighter version of the original color is **50.0042, 64.1753, 99.3741**, and **11.0215, 14.5867, 26.6607** is the 20% darker color. If you saturate the color by 10%, you get **23.5340, 31.6668, 55.3247**, and if you desaturate by 10%, it is **25.2952, 33.9848, 55.6793**.

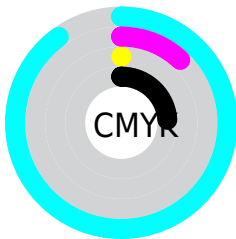
Distribution



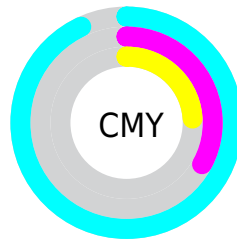
- Red (7%)
- Green (67%)
- Blue (76%)



- Red (7%)
- Yellow (39%)
- Blue (76%)



- Cyan (90%)
- Magenta (12%)
- Yellow (0%)
- Black (24%)





- Cyan (93%)
- Magenta (33%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2689, 32.7382, 55.4921 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 24.2689, 32.7382, 55.4921 by changing the saturation by 10% instead.


 24.2689, 32.7382,
55.4921


 24.2689, 32.7382,
55.4921


266.5925,
314.4684, 425.1090


 15.6590, 21.9260,
39.3946


 49.9201, 63.9666,
99.7400


 9.3725, 13.8025,
26.7566


 67.6922, 85.1515,
128.7274


 5.0440, 7.9834,
17.1597


 89.2491, 110.5628,
162.8485

 2.3081, 4.0844,
10.1853

 114.9561,
140.5848, 202.5219

 0.7988, 1.7209,
5.4148

 145.1785,
175.6020, 248.1662

 0.0000, 0.4371,
2.4297

180.2819,

 0.0000, 0.0000,

215.9988, 300.1997

0.8025

220.6314,
262.1594, 359.0412

■ 0.0000, 0.0000,
0.0000

■ 24.2689, 32.7382,
55.4921

■ 24.2689, 32.7382,
55.4921

■ 23.5340, 31.6668,
55.3247

■ 25.2952, 33.9848,
55.6793

■ 26.6993, 35.4395,
55.8860

■ 28.5322, 37.1291,
56.1156

■ 30.8364, 39.0757,
56.3698

■ 33.6488, 41.2984,
56.6506

■ 37.0030, 43.8145,
56.9595

■ 40.9294, 46.6398,
57.2979

■ 45.4562, 49.7890,
57.6672

■ 50.6098, 53.2757,
58.0685

Harmonies

Analogous

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



22.6348, 32.7382, 39.8991



24.2689, 32.7382, 55.4921



27.7834, 32.7382, 67.4818

Triad

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



24.2689, 32.7382, 55.4921



40.8344, 32.7382, 46.5018



29.7089, 32.7382, 14.9405

Complementary

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



24.2689, 32.7382, 55.4921



22.9391, 13.0421, 1.9255

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.



34.7064, 32.7382, 15.8302



24.2689, 32.7382, 55.4921



41.4900, 32.7382, 31.7070

Square

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



24.2689, 32.7382, 55.4921



37.4381, 32.7382, 61.4085



39.1447, 32.7382, 21.2056



25.5502, 32.7382, 18.3349

Rectangle

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



24.2689, 32.7382, 55.4921



30.8934, 32.7382, 70.3688



39.1447, 32.7382, 21.2056



31.3410, 32.7382, 14.7719

Sweetspot

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



24.2700, 32.7394, 55.4929



68.0816, 79.7921, 102.1734



19.7107, 38.4277, 8.3258



14.1179, 16.7615, 21.8765



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



24.2700, 32.7394, 55.4929



42.0178, 56.4521, 99.0421



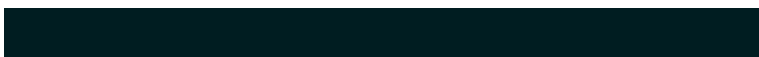
13.1998, 10.5990, 51.8028



10.2513, 11.1940, 12.9052



15.6948, 21.1460, 36.8110



0.7103, 0.9780, 1.6012

Inverse Universe

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



29.4818, 14.7065, 39.3162



51.8954, 25.3083, 67.7035



29.6108, 26.3856, 4.1494



10.4382, 10.2239, 12.3979



19.3180, 9.4169, 25.3842



0.8509, 0.4134, 1.1823

Previews

White Background



This preview shows how the XYZ color 24.2689, 32.7382, 55.4921 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 24.2689, 32.7382, 55.4921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

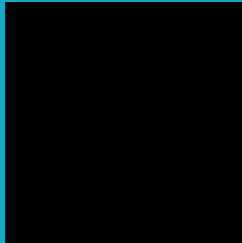
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.2689, 32.7382, 55.4921

Background



This preview shows how black text looks on a background with the XYZ color 24.2689, 32.7382, 55.4921.

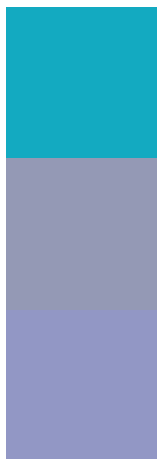


This preview shows how white text looks on a background with the XYZ color 24.2689, 32.7382,

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

24.2689, 32.7382, 55.4921

Protanopia

31.9445, 32.4146, 48.2890

Deuteranopia

32.9987, 32.2754, 57.3139



Tritanopia

23.3199, 32.6286, 50.9678

Trichromacy



Original Color

24.2689, 32.7382, 55.4921



Protanomaly

26.5219, 31.0658, 50.4974



Deuteranomaly

27.4462, 31.1486, 56.7903



Tritanomaly

23.7276, 32.8018, 52.6578

Monochromacy



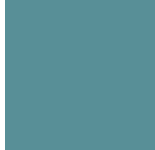
Original Color

24.2689, 32.7382, 55.4921



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

19.4329, 23.9540, 32.8775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2689, 32.7382, 55.4921 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(19, 170, 193)` looks like.

```
.text, #text, p{  
    color:rgb(19, 170, 193)  
}
```

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(19, 170, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 170, 193) }
```

Border

The CSS property to change the border of an element to XYZ 24.2689, 32.7382, 55.4921 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(19, 170, 193) }
```


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

```
.border{ border-color:rgb(19, 170, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 170, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 170, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 170, 193);  
box-shadow:4px 4px 4px 4px rgb(19, 170,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2689, 32.7382, 55.4921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 170, 193) }
```

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

```
.background{ background-color: rgb(19, 170,  
193) }
```

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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