

Converting Colors

XYZ(23.1947, 33.4207, 45.0443)

Have a look what the booklet for
XYZ(23.1947, 33.4207, 45.0443)
contains.

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Color

**XYZ(23.3115, 33.6041,
45.3020)**

Conversions

Conversions Part 1

Format	Color
Hex	1EAEAE
RGB	30, 174, 174
RGB Percent	12%, 68%, 68%
CMY	0.8823, 0.3176, 0.3176
CMYK	0.83, 0.00, 0.00, 0.32
HSL	180°, 71%, 40%
HSV	180°, 83%, 68%
XYZ	23.3115, 33.6041, 45.3020
YIQ	130.9440, -85.8240, -30.5280

Conversions

Conversions Part 2

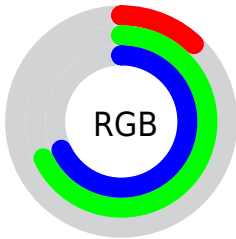
Format	Color
RYB	30, 102, 174
Decimal	2010798
CIELab	64.65, -34.64, -10.26
CIELCh	65, 36.127, 196.501
Yxy	33.6041, 0.2281, 0.3288
Android (android.graphics.Color)	4280200878 (0xFF1EAEAE)
YUV	130.9440, 21.2266, -88.5279
Hunter-Lab	57.9690, -29.6644, -5.7560

Details

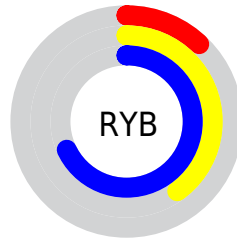
The XYZ color **23.3115, 33.6041, 45.3020** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **18.1554, 10.0221, 2.2070**, and the grayscale version is **21.5041, 22.6239, 24.6375**.

A 20% lighter version of the original color is **48.2654, 65.2540, 84.1802**, and **10.3502, 15.0799, 20.7775** is the 20% darker color. If you saturate the color by 10%, you get **22.9370, 33.4118, 45.2852**, and if you desaturate by 10%, it is **23.9682, 33.9434, 45.3336**.

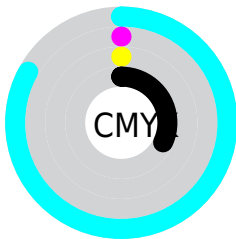
Distribution



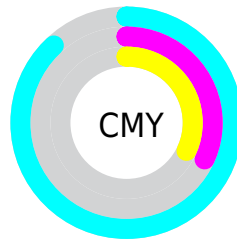
- Red (12%)
- Green (68%)
- Blue (68%)



- Red (12%)
- Yellow (40%)
- Blue (68%)



- Cyan (83%)
- Magenta (0%)
- Yellow (0%)
- Black (32%)



- Cyan (88%)
- Magenta (32%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3115, 33.6041, 45.3020 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 23.3115, 33.6041, 45.3020 by changing the saturation by 10% instead.

■ 23.3115, 33.6041,
45.3020

■ 23.3115, 33.6041,
45.3020

261.8265,
318.3631, 384.1910

■ 14.9456, 22.5896,
31.3507

■ 48.3672, 65.3175,
84.4967

■ 8.8673, 14.2908,
20.6053

■ 65.7878, 86.7853,
110.5771

■ 4.7112, 8.3232,
12.6474

■ 86.9573, 112.5063,
141.5376

■ 2.1118, 4.3024,
7.0583

■ 112.2411,
142.8648, 177.7968

■ 0.6956, 1.8441,
3.4196

■ 142.0046,
178.2454, 219.7732

■ 0.0000, 0.5145,
1.3127

176.6130,

■ 0.0000, 0.0000,

219.0324, 267.8854

0.0721

216.4319,
265.6102, 322.5518

■ 0.0000, 0.0000,
0.0000

■ 23.3115, 33.6041,
45.3020

■ 23.3115, 33.6041,
45.3020

■ 22.9370, 33.4118,
45.2852

■ 23.9682, 33.9434,
45.3336

■ 22.7766, 33.3291,
45.2776

■ 24.9445, 34.4467,
45.3793

■ 26.2752, 35.1327,
45.4417

■ 27.9900, 36.0167,
45.5220

■ 30.1152, 37.1122,
45.6215

■ 32.6749, 38.4318,
45.7414

■ 35.6916, 39.9870,
45.8827

■ 39.1858, 41.7883,
46.0463

■ 43.1770, 43.8459,
46.2331

Harmonies

Analogous

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



23.2022, 33.6041, 30.3275



23.3115, 33.6041, 45.3020



25.5637, 33.6041, 61.4205

Triad

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



23.3115, 33.6041, 45.3020



39.7214, 33.6041, 59.9404



34.3211, 33.6041, 15.2737

Complementary

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



23.3115, 33.6041, 45.3020



18.1554, 10.0221, 2.2070

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.



39.2964, 33.6041, 19.5556



23.3115, 33.6041, 45.3020



42.6342, 33.6041, 43.6583

Square

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



23.3115, 33.6041, 45.3020



34.8524, 33.6041, 71.3116



42.4707, 33.6041, 29.0719



29.1939, 33.6041, 15.4907

Rectangle

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



23.3115, 33.6041, 45.3020



28.1313, 33.6041, 69.4699



42.4707, 33.6041, 29.0719



36.0772, 33.6041, 16.1718

Sweetspot

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



23.3125, 33.6054, 45.3028



57.9371, 69.0238, 82.9058



15.9797, 30.6806, 6.3091



12.5182, 15.1562, 18.4099



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.3125, 33.6054, 45.3028



41.3418, 60.4687, 82.1282



13.1677, 13.3155, 41.9218



8.2364, 9.0721, 10.2697



16.5195, 24.1731, 32.8392



0.4596, 0.6725, 0.9136

Inverse Universe

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



18.1554, 10.0221, 2.2070



31.6999, 16.3770, 1.5555



22.2105, 18.1324, 3.5587



8.0053, 8.0154, 8.3386



12.6607, 6.5268, 0.5925



0.3522, 0.1816, 0.0165

Previews

White Background



This preview shows how the XYZ color 23.3115, 33.6041, 45.3020 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 23.3115, 33.6041, 45.3020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

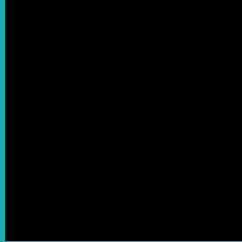
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.3115, 33.6041, 45.3020

Background



This preview shows how black text looks on a background with the XYZ color 23.3115, 33.6041, 45.3020.

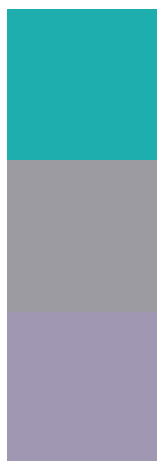


This preview shows how white text looks on a background with the XYZ color 23.3115, 33.6041,

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

23.3115, 33.6041, 45.3020

Protanopia

31.9532, 33.1192, 38.8910

Deuteranopia

33.8621, 33.1847, 47.2684



Tritanopia

24.5703, 33.5425, 51.6337

Trichromacy



Original Color

23.3115, 33.6041, 45.3020



Protanomaly

26.2337, 31.9088, 40.8528



Deuteranomaly

27.3167, 31.8266, 46.2984



Tritanomaly

24.1864, 33.6766, 49.4814

Monochromacy



Original Color

23.3115, 33.6041, 45.3020



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

20.3163, 25.3537, 31.4267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3115, 33.6041, 45.3020 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(30, 174, 174)` looks like.

```
.text, #text, p{  
    color:rgb(30, 174, 174)  
}
```

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(30, 174, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 174, 174) }
```

Border

The CSS property to change the border of an element to XYZ 23.3115, 33.6041, 45.3020 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(30, 174, 174) }
```


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

```
.border{ border-color:rgb(30, 174, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 174, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 174, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 174, 174);  
box-shadow:4px 4px 4px 4px rgb(30, 174,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3115, 33.6041, 45.3020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 174, 174) }
```

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

```
.background{ background-color: rgb(30, 174,  
174) }
```

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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