

Converting Colors

XYZ(25.6355, 33.9901, 45.5909)

Have a look what the booklet for
XYZ(25.6355, 33.9901, 45.5909)
contains.

XYZ(25.6090, 33.9264, 45.7562)	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(25.6090, 33.9264,
45.7562)**

Conversions

Conversions Part 1

Format	Color
Hex	50ABAF
RGB	80, 171, 175
RGB Percent	31%, 67%, 69%
CMY	0.6863, 0.3294, 0.3137
CMYK	0.54, 0.02, 0.00, 0.31
HSL	183°, 37%, 50%
HSV	183°, 54%, 69%
XYZ	25.6090, 33.9264, 45.7562
YIQ	144.2470, -55.5200, -18.0480

Conversions

Conversions Part 2

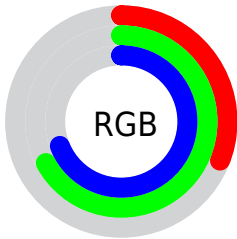
Format	Color
RYB	80, 126, 175
Decimal	5286831
CIELab	64.90, -25.78, -10.32
CIELCh	65, 27.772, 201.804
Yxy	33.9264, 0.2432, 0.3222
Android (android.graphics.Color)	4283476911 (0xFF50ABAF)
YUV	144.2470, 15.1612, -56.3446
Hunter-Lab	58.2464, -23.4506, -5.8036

Details

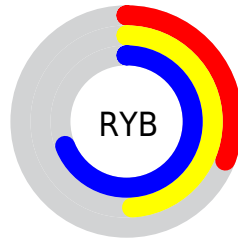
The XYZ color **25.6090, 33.9264, 45.7562** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **22.2981, 16.0344, 9.5099**, and the grayscale version is **26.5665, 27.9500, 30.4376**.

A 20% lighter version of the original color is **52.0685, 65.9697, 84.8520**, and **10.0661, 14.3934, 20.9866** is the 20% darker color. If you saturate the color by 10%, you get **24.1810, 32.9850, 45.6504**, and if you desaturate by 10%, it is **27.4246, 35.0703, 45.8819**.

Distribution



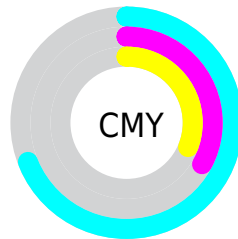
- Red (31%)
- Green (67%)
- Blue (69%)



- Red (31%)
- Yellow (49%)
- Blue (69%)



- Cyan (54%)
- Magenta (2%)
- Yellow (0%)
- Black (31%)





- Cyan (69%)
- Magenta (33%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.6090, 33.9264, 45.7562 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 25.6090, 33.9264, 45.7562 by changing the saturation by 10% instead.


 25.6090, 33.9264,
45.7562


 25.6090, 33.9264,
45.7562

273.1494,
319.8037, 386.0767


 16.6625, 22.8371,
31.7062


 52.0793, 65.8192,
85.1844


 10.0880, 14.4732,
20.8742


 70.3338, 87.3915,
111.3998

 5.5200, 8.4505,
12.8418


 92.4217, 113.2268,
142.5073

 2.5934, 4.3846,
7.1902

 118.7084,
143.7096, 178.9256

 0.9426, 1.8909,
3.5011

149.5591,
179.2243, 221.0731

 0.0000, 0.5429,
1.3558

185.3393,

 0.0000, 0.0000,

220.1553, 269.3684

0.1069

226.4143,
266.8870, 324.2301

■ 0.0000, 0.0000,
0.0000

■ 25.6090, 33.9264,
45.7562

■ 25.6090, 33.9264,
45.7562

■ 24.1810, 32.9850,
45.6504

■ 27.4246, 35.0703,
45.8819

■ 23.1070, 32.2265,
45.5606

■ 29.6521, 36.4269,
46.0264

■ 22.3529, 31.6341,
45.4860

■ 32.3172, 38.0102,
46.1915

■ 21.8762, 31.1858,
45.4246

■ 35.4427, 39.8321,
46.3784

■ 21.6734, 30.9660,
45.3928

■ 39.0501, 41.9035,
46.5881

■ 43.1590, 44.2347,
46.8215

■ 47.7885, 46.8353,
47.0795

■ 52.9562, 49.7147,
47.3629

■ 58.6793, 52.8814,
47.6725

Harmonies

Analogous

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



25.2060, 33.9264, 33.8831



25.6090, 33.9264, 45.7562



27.7129, 33.9264, 57.1346

Triad

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



25.6090, 33.9264, 45.7562



38.6875, 33.9264, 52.3319



33.3568, 33.9264, 19.1225

Complementary

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



25.6090, 33.9264, 45.7562



22.2981, 16.0344, 9.5099

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.



37.2483, 33.9264, 22.1719



25.6090, 33.9264, 45.7562



40.4882, 33.9264, 40.1757

Square

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



25.6090, 33.9264, 45.7562



35.1930, 33.9264, 61.4455



39.9408, 33.9264, 29.3360



29.4683, 33.9264, 20.0082

Rectangle

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



25.6090, 33.9264, 45.7562



29.8996, 33.9264, 62.1148



39.9408, 33.9264, 29.3360



34.7121, 33.9264, 19.6942

Sweetspot

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



25.6100, 33.9277, 45.7570



62.2925, 70.6514, 82.9908



20.2068, 32.9933, 13.5215



13.5874, 15.5533, 18.4303



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.



25.6100, 33.9277, 45.7570



42.9068, 58.8003, 81.7250



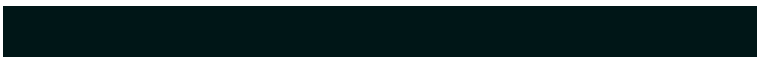
18.2964, 19.3005, 43.3191



8.2070, 9.0134, 10.2599



15.5324, 22.1986, 32.5106



0.4408, 0.6349, 0.9073

Inverse Universe

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



27.8994, 17.7924, 40.4933



47.5067, 27.1840, 70.9689



27.1995, 25.8372, 11.1437



8.3223, 8.1422, 10.0080



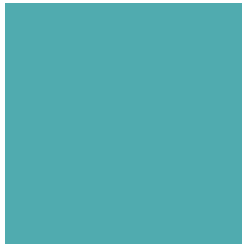
17.7037, 8.5440, 27.1487



0.4969, 0.2394, 0.7783

Previews

White Background



This preview shows how the XYZ color 25.6090, 33.9264, 45.7562 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 25.6090, 33.9264, 45.7562 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

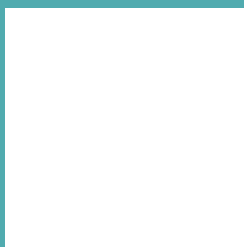
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.6090, 33.9264, 45.7562

Background



This preview shows how black text looks on a background with the XYZ color 25.6090, 33.9264, 45.7562.

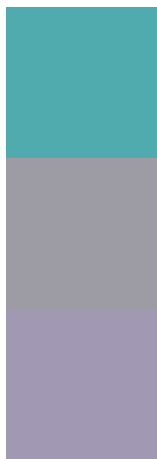


This preview shows how white text looks on a background with the XYZ color 25.6090, 33.9264,

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

25.6090, 33.9264, 45.7562

Protanopia

32.5846, 33.6616, 40.3773

Deuteranopia

34.2259, 33.6142, 47.3321



Tritanopia

26.4892, 34.0073, 49.9677

Trichromacy



Original Color

25.6090, 33.9264, 45.7562

Protanomaly

28.9596, 33.0214, 42.3836

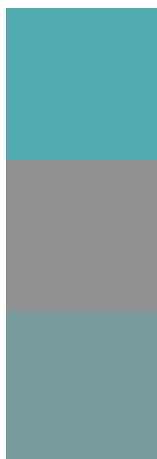
Deuteranomaly

30.1224, 33.2615, 46.9520

Tritanomaly

26.0926, 33.8386, 48.3363

Monochromacy



Original Color

25.6090, 33.9264, 45.7562

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

25.3572, 29.5427, 35.3762

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.6090, 33.9264, 45.7562 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(80, 171, 175)` looks like.

```
.text, #text, p{  
    color:rgb(80, 171, 175)  
}
```

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(80, 171, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 171, 175) }
```

Border

The CSS property to change the border of an element to XYZ 25.6090, 33.9264, 45.7562 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(80, 171, 175) }
```


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

```
.border{ border-color:rgb(80, 171, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 171, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 171, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 171, 175);  
box-shadow:4px 4px 4px 4px rgb(80, 171,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 25.6090, 33.9264, 45.7562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 171, 175) }
```

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

```
.background{ background-color: rgb(80, 171,  
175) }
```

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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